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SEQUENCE LISTING

<110> Schackert, Hans Konrad
Hahn, Matthias

<120> Method for Identifying Organisms by Means of Comparative Genetic
Analysis and Primers and Hybridisation Probes for Carrying Out
This Method

<130> 012627-025

<140> US 09/936,738

<141> 2001-09-17

<150> PCT/EP00/02330

<151> 2000-03-16

<150> DE 199 11 656.3

<151> 1999-03-16

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<400> 54
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<400> 56
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 <211> 363
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<210> 59
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<212> DNA
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<210> 60
<211> 447
<212> DNA
<213> Goitred gazelle

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<210> 61
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<212> DNA
<213> Red buffalo

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<210> 63

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> PTENex1 R antisense

<400> 63

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aggtcaagtc taagtcgaat c 21

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<210> 64

<211> 67

<212> DNA

<213> Man

<400> 64

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cagccatcat caaagagatc gtttagcagaa acaaaaggag atatcaagag gatggattcg 60
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<210> 65

<211> 68

<212> DNA

<213> Chimpanzee

<400> 65

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<210> 66

<211> 64

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<213> Pig

<400> 66
ccatcatcaa agagatcggt agcagaaaca aaaggagata tcaagagaat ggattcgact 60
taga 64

<210> 67
<211> 64
<212> DNA
<213> Wild boar

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taga 64

<210> 68
<211> 67
<212> DNA
<213> Cattle

<400> 68
cagccatcat caaagagatc gtttagcagaa acaaaaggag atatcaagag gatggattcg 60
acttaga 67

<210> 69
<211> 67
<212> DNA
<213> Sheep

<400> 69
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acttaga 67

<210> 70
<211> 67
<212> DNA
<213> Goat

<400> 70
agccatcatc aaagagatcg ttagcagaaa caaaaggaga tatcaagagg atggattcga 60
cttagac 67

<210> 71
<211> 68
<212> DNA
<213> Red buffalo

<400> 71
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gacttaga 68

<210> 72
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<212> DNA
<213> Deer

<400> 72
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 acttaga 67

<210> 73
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 <212> DNA
 <213> Roe deer

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 cttaga 66

<210> 74
 <211> 67
 <212> DNA
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 acttaga 67

<210> 75
 <211> 68
 <212> DNA
 <213> Horse

<400> 75
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 gacttaga 68

<210> 76
 <211> 58
 <212> DNA
 <213> Dog

<400> 76
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<210> 77
 <211> 67
 <212> DNA
 <213> Sun bear

<400> 77
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 cttagac 67

<210> 78
 <211> 69
 <212> DNA
 <213> Rabbit

<400> 78
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 gacttagac 69

<210> 79
 <211> 65
 <212> DNA
 <213> Hare

<400> 79
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 actta 65

<210> 80
 <211> 59
 <212> DNA
 <213> Antelope

<400> 80
 ccatcatcaa agagatcggt agcagaaaca aaaggagata tcaagaggat ggattcgac 59

<210> 81
 <211> 65
 <212> DNA
 <213> Kangaroo

<400> 81
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 ttaga 65

<210> 82
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 atatttatcc aaacattatt gctat 25

<210> 83
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 <212> DNA
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<220>
 <223> PTENex2R antisense

<400> 83
 cttactacat catcaatatt gttcc 25

<210> 84
 <211> 69
 <212> DNA
 <213> Man

<400> 84
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 tattgatga 69

<210> 85
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 <212> DNA
 <213> Chimpanzee

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 <222> (1)...(69)
 <223> n = A,T,C or G

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 tgatgatgt 69

<210> 86
 <211> 70
 <212> DNA
 <213> Domestic pig

<400> 86
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<210> 87
 <211> 71
 <212> DNA
 <213> Wild boar

<400> 87
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<210> 88
 <211> 63
 <212> DNA
 <213> Cattle

<400> 88
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 tga 63

<210> 89
 <211> 62
 <212> DNA
 <213> Sheep

<400> 89
 ttattgctat ggggtttcct gcagaaagac ttgaaggcgt gtacaggaac aatattgatg 60
 at 62

<210> 90
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 <212> DNA
 <213> Goat

<400> 90

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 <212> DNA
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<400> 92
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 acaatatt 68

<210> 93
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 <213> Roe deer

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 <222> (1)...(58)
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<210> 94
 <211> 65
 <212> DNA
 <213> Goitred gazelle

<400> 94
 ccaaacatta ttgctatggg gtttcctgca gaaagacttg aaggcgtata caggaacaat 60
 attga 65

<210> 95
 <211> 64
 <212> DNA
 <213> Horse

<400> 95
 attattgcta tgggggtttcc tgcagaaaga cttgaaggcg tatacaggaa caatattgat 60
 gatg 64

<210> 96
 <211> 67
 <212> DNA
 <213> Dog

<220>
 <221> misc_feature
 <222> (1)...(67)
 <223> n = A,T,C or G

<400> 96
 ttccaaacat tattgctatn gggtttctctg cagaaagact tgaaggcgta tacnggaaca 60
 atattga 67

<210> 97
 <211> 65
 <212> DNA
 <213> Sun bear

<220>
 <221> misc_feature
 <222> (1)...(65)
 <223> n = A,T,C or G

<400> 97
 tccaaacatt attgctatng ggtttcctgc agaaagactt gaaggcgat acaggaacaa 60
 tattg 65

<210> 98
 <211> 62
 <212> DNA
 <213> Rabbit

<400> 98
 gctatgggat ttctgcaga aagacttgaa ggcgtataca ggaacaatat tgatgatgta 60
 gt 62

<210> 99
 <211> 59
 <212> DNA
 <213> Hare

<400> 99
 acattattgc tatgggattt cctgcagaaa gacttgaagg cgtatacagg aacaatatt 59

<210> 100
 <211> 48
 <212> DNA
 <213> Antelope

<400> 100
 ttgctatggg gtttcttgca gaaagacttg aaggcgata caggaaca 48

<210> 101
 <211> 77
 <212> DNA

<213> Turkey

<400> 101

tttatccaaa cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga 60
acaatattga tgatgta 77

<210> 102

<211> 73

<212> DNA

<213> Chicken

<400> 102

atttatccaa acattattgc tatgggtttt cctgcggaga ggcttgaagg agtataccgg 60
aacaatattg atg 73

<210> 103

<211> 61

<212> DNA

<213> Duck

<400> 103

ttattgctat gggttttcct gcagagaggc ttgaaggagt gtaccggaac aatattgatg 60
a 61

<210> 104

<211> 62

<212> DNA

<213> Quail

<400> 104

cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga acaatattga 60
tg 62

<210> 105

<211> 73

<212> DNA

<213> Goose

<400> 105

tttatccaaa cattattgct atgggttttc ctgcagagag gcttgaagga gtgtaccgga 60
acaatattga tga 73

<210> 106

<211> 66

<212> DNA

<213> Ostrich

<400> 106

ccaaacatta ttgctatggg ttttccggcg gagaggcttg aaggagtgta ccggaacaat 60
attgat 66

<210> 107

<211> 59

<212> DNA

<213> Pigeon

<400> 107
cattattgct atgggttttc ctgcgagag gcttgaagga gtataccgga acaatattg 59

<210> 108
<211> 60
<212> DNA
<213> Varan

<400> 108
cattattgct atgggttttc ctgcgagag gcttgaagga gtataccgga acaatattga 60

<210> 109
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Zoo43sUV

<400> 109
tgtgtgaga gacattatga c 21

<210> 110
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Zoo44aRV

<400> 110
ttgtctctgg tccttacttc 20

<210> 111
<211> 654
<212> DNA
<213> Man

<400> 111
ttatgacacc gccaaattta attgcagagt atgaatgtac tgtactatgt tgtataactt 60
aaacccgata gactgtatct tactgtcata acaataatga gtcattccaga ttatcgagt 120
agatacatat ttaagaatta tctttaaaaa ttcaaaaaat ttaatttta ctgttgtgtt 180
ttaggaaaaa gtattgcata aagctattaa tattgtcagg aagactaaag tgcagcatag 240
actaagaatt aggaaaattc ctgactaaa aatagtataa ggagagggtt tacctactat 300
ttgaggcagt tgggtctaata gtaagcaatc acaggagaga agcagaacta cttaactctt 360
ctgtgttgag gaatgacata aaaggtagga aaggatataa caaatgttga taagaggagt 420
ctgatggatg agaggaggga actgctttta atgagtttct acttcagaca taagttaatt 480
ctcagagccc acaaaaactt tcacttttat ttgtgaaata caactcagtt ctcattggctt 540
aacactttta accatgagaa aactgaagag ttgagagctt ggcagatgct gctgtgatag 600
tcaaaagaaa gtgggtgcat gagctactat tgatgtatct gccatgggtc ctcc 654

<210> 112
<211> 582
<212> DNA
<213> Dog

```

<400> 112
atgtaataaaa tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat 60
tgctgcaaca tgattgtcat cttcacttag ccattgggtca agatcttcac aaaaggggtt 120
gataagttct agctgtggtg gattatgggc ttcaaaagga tactgtgcaa ctgtggtaaa 180
aagataacct cagaattaga aaaaagtctt tcctgaactg tttattaaaa gtaggttaac 240
tttagaaaca ttgcatgtaa gcttaacaga tgtttaaaag aaaaacggaa ctccagagaa 300
aaataatttg ctgtctgata attttccaat ttttgaatag aaaatagtct ctcatthaatt 360
cttaaaccta ccaactadgag agagaggcta agcattattt tccccactt taatgaaaga 420
ggaaactttg caatggagag ggagcacacg tcaacatata agagggaaga ggcaaactca 480
aatgaaatg gcacacaggt ttctgtcag ggctctcaat gcattttctg acaaaaaggag 540
tcataatatt tataatacta cgtcatccaa aatatatatt cc 582

```

```

<210> 113
<211> 376
<212> DNA
<213> Cattle

```

```

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

```

```

<400> 113
taggtacaca tattgtgtta gataacttga agccaacagt ctaaatttta ctgtcatacc 60
aataatgaat aatctcaagt attaagtgat atatttatct taaagatggg ctgagaaaat 120
ttgaaattaa ttttgctggt gtgttttttg aaataagtat catgtaaatg aggaagacta 180
aattgaatta actgaaaact aggagaaatt tatagactaa cagaataaat agagggttat 240
atctgtgatt tgaggcattt ggcatgatag taagagatta caggggagaa aggagaatgg 300
cttaattctg taatggaaca tgacctgtac agtgggaaaa ggggtataat gaantatgga 360
tnaaaaggag cctgaa 376

```

```

<210> 114
<211> 673
<212> DNA
<213> Mouse

```

```

<400> 114
ttatgacacc gccaaattta actgcagagg tatgtataaa cataaccaca gcatactgta 60
taactaaaga ccaatagact tgtctttttac tgcctgggtga taattatcaa gattagttag 120
ataaaaatct taagaatggc ctttgacaat taaaaaaagt gtatttaatg ttagagttgt 180
tctttaagac ctatctattg tcaggaaaac taaatcacag aatacttga gaggtccaa 240
gactaaacta ggattggagg tgcttattga cgggtgtgga cagctagcgc tgctggaaac 300
aatcacaaga agagagcaga accattttta cttttctaca tcgaagaatg gcataaagtt 360
aggaaaagat gtagcatcgg tctgtctgtc tgtctgtctg cctgtctgtc ttctcagaat 420
catgaagcac taaggagtaa gtaagaacag tttctggggg accgacagac ctaggctact 480
gctcattagg aaacatgcca tggttgaagg tcacttagct ttaaattgtac attttaacag 540
actcttgaat gttcttgtgt gccactggg gaaatgaggt cgggagcaca gtttagacaga 600
tggttaaagta aaagctggcc tgcagcctct tggatgaatgt agtttgccat tgtttaccac 660
agagctttcc tgt 673

```

```

<210> 115
<211> 411
<212> DNA
<213> Horse

```

```

<400> 115

```

```

aatgtacagt attttgttat ataactgaaa accagtagac taagtcttac tgtcacagca 60
gtaatgaata ctcttgatta ttaagtgaga taaatattta tcttaaaaag ataatcttag 120
aaaatttgaa aaataaattt aactttgctg ttgtatttta gaaaacaagt atcatataaa 180
ccaactggta gtattaggaa gactaaattg aagaatagac taagaattag gatgtaatag 240
taagagattg catggagaaa gcagaacgac ttaactctgg caaggagcgt gacctaaaag 300
gtggaaaagg gtataacaga tgtggataca aggagcctga acagatgaga gcagggaact 360
gcttcaaatg agttcttttc caagtatagt aaattgtttc tcagagcca c 411

```

<210> 116
 <211> 566
 <212> DNA
 <213> Sheep

<220>
 <221> misc_feature
 <222> (1)...(566)
 <223> n = A,T,C or G

```

<400> 116
aaaaatttgc nnnngatgta acaaatatgc acaaatcatt acaccagttc gtccctttcc 60
agctttacag tgaattgctg caacatgatt gtcattctca cttagccatt ggtcaagatc 120
ttcacaaaag ggtttgataa gttctaactg ttgggtgatt atgggtctca aagggatact 180
gtgcaactgt gataaaaaga taaccgcaga tatatgaaaa taatctcact tgaattgctt 240
attacaagta ggctaacttt agaaatggtg catacaaaata gtttaaaaaat gtctgaacta 300
tagaggaaaa gaattttattg tctgataatt ttctaatttt cgaacagaaa ataatctctc 360
attaactcaa atttatccat tcgacaggta agacaagtat tatttcctca ctctatgatg 420
gaggcaatgg aggagcaaca tatcagaggt cacaacataa cgagggaaga ggcaaactca 480
gaatgaaacg tcgcacgagc ctcttagcag ggctctcaat acgttcctag caaaagggac 540
tggtaacatc tataatatcg cattat 566

```

<210> 117
 <211> 497
 <212> DNA
 <213> Turkey

```

<400> 117
aagctgcatt ttgccagggt taaggaactg acagagacaa ccaagaccaa agcatttcag 60
gctgaattcc cctckttcct ccacctcct ctgaacaaat ggaggttctg acagagtggg 120
gagattaatt cagaatatgt gtgcacagta cacctggcag accccacaaa gcttggctca 180
aagaacaaa atgaaacaaa ggcatgaata gacgagtaga aggatttaca aaaggacaaa 240
agatgggcag ccattttaaag gtgacagtaa tttcttaagt aaatgtcaaa actcttcaaa 300
gaagcaaggg ggataatatt catgaatact taaggctgaa acgtgaacat gttgatttgc 360
catttggaag gttatgtttc cttcttatct cctctctgat agcttcaata atgggcacta 420
aaattcggtc ctgaaaaaat gcaaagaaat cactcagtggt ctgaggacgt gttgatttca 480
catgtattga aatcagt 497

```

<210> 118
 <211> 365
 <212> DNA
 <213> Trout

<220>
 <221> misc_feature
 <222> (1)...(365)
 <223> n = A,T,C or G


```

<400> 118
cattatgaacn nnnnnnnnatt caattgcaga ggattagata ttacatcaga gtgaaaccat 60
tatactgtgc tttcaggcag tcagtgaatg aatcaatctt tcactaaaaa cccacgtgtg 120
acgctaacta actgagcccg gtctctgtct gtctctctcc agttgcacaa tatccgtttg 180
aggatcaciaa tccgccccag ctggagctga tcaaaccgtt ctgcgaagat cttggccttt 240
ggttaagtga agacgacaat catgtggcgg cgattcactk taaarctgga aaggacgtac 300
gggtgtcatg atctgtgctt acctgttaca ccggggcaag ttctctcaaag cacaagaagc 360
tctcg 365

```

```

<210> 119
<211> 656
<212> DNA
<213> Roe deer

```

```

<400> 119
gtataggtac acttactatg ttagataact tgaggccaac agtctaaatt ttactatcat 60
accagtaatg aataatctca agtattaagt gatacagtc tcttaaagat gatcttagaa 120
aatttgaaat taattttgct gttgtgtttt tggaaacaag tgtcatgtaa atgagggaga 180
ctaaactgaa ttaactgaaa actaggagaa atttatagac tgacagaata aagaaaggg 240
tatactgtg atttgaggca tttggcgtaa tagtaagaga ttacagggag aaaggagaat 300
gatttaattc tataatggaa catgacctgc acagtggaaa aagggataaa tgaaatataa 360
awaaaaggag cctgatagat gagagcaaga actgctttta gtgaattttt ctccaggtat 420
agtatatttt atctcagagt ccacaaatac tttcatttgt ttttgtggaa ctcttagaac 480
gacgagagac caggaacatt gagaagctaa tatatttgcc attgttcctt cctaaatatt 540
tagcacaggc tttcaaacag ttggtttaag aattcagaag tgctaataac tgagagcaag 600
ggtagattta ttactaagaa tgtttcattt ttggttgatt ttgctatttc tgggtca 656

```

```

<210> 120
<211> 405
<212> DNA
<213> Deer

```

```

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

```

```

<400> 120
gtataggtac acttttnnaag ccaacagtct aaatttttact gtcataccaa taatgaataa 60
tctcaagtat taagtgatat atttatctta aagatgatct tagaaaattt gaaactaatt 120
ttgctgttgt gtttttgga acaagtgtca tgtaaagtga ggagaccata actgaattaa 180
ctgaaaactg ggaaaaattt atagactaac agaataaaga aagggttata tctgtgggtt 240
gaggcgtttg acgtaatagt aagagattac agggagaaaag gagaatgact taattctata 300
atggaacacg acctgcacag tggaaaaagg gtataatkaa atgtagataa aggagcctga 360
tagttgagag caagaactgc ttttaagtga tttttctcca ggtgt 405

```

```

<210> 121
<211> 522
<212> DNA
<213> Chimpanzee

```

```

<220>
<221> misc_feature
<222> (1)...(522)
<223> n = A,T,C or G

```

```

<400> 121
cattatgaacn nnnnnnnnnn nnattgcaga ggtaggtatg aatgtactgt actatgttgt 60
ataacttaaa cccgatagac tgtatcttac tgtcataaca ataatgagtc atctagatta 120
tcgagtgaga tacatatatta tcttaagaat tatctttaaa aatttcacaaa attttaattt 180
tactcttgtg ttttaggaaa aaagtattgc ataaagctat taatattgtc aggaagacta 240
aagtgcagca tagactaaga atgaggaaaa ttcctagact nnaatagtat aaggagagg 300
tttacctact atttgaggca gttggtctaa tagtaagcaa tcacagggag aaagcagaac 360
tacttaactc ttctgtgttg aggaatgaca taaaaggtag gaaggatata acaaattgtg 420
ataagaggag tctgatggat gagaggagg aactgcttta aatgagttct acttcagaca 480
tadgttaatt ctcagagccc acaaaacttt cacttttatt tg 522

```

```

<210> 122
<211> 666
<212> DNA
<213> Gorilla

```

```

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

```

```

<400> 122
cattatgaacn nnnnnnnnatt taattgcaga ggtaggtatg aatgtdctgt actatgttgt 60
ataacttaaa cccgatagac tgtatcttac tgtcataaca ataatgagtc atctagatta 120
tcgagtgaga tacatatatta tcttaagaat tatctttaaa aatttcacaaa attttaattt 180
tactcttgtg ttttaggaaa aaagtattgc ataaagctat taatattgtc aggaagacta 240
aagtgcagca tagactaaga atgaggaaaa ttcctagact nnaatagta taaggagagg 300
gtttacctac tatttgaggc agttggtcta atagtaagca atcacagga gaaagcagaa 360
ctacttaact cttctgtgtt gaggaatgac ataaaaggta ggraaggata taacaaatgt 420
tgataagagg rgtctgatgg atgagaggag ggaactgctt taaatgagtt ctacttcaga 480
cataagttaa ttctcagagc ccacaaaaac tttcactttt atttgtgaaa tgcaactcag 540
ttctcatggc ttaacacttt aamccatgag agactgaaga gttgagaagc ttggcagatg 600
ctgctgtgat agtcaaaaag aaagtgggtg ccatgagcta ctattgatgt atttgccatt 660
gatccc 666

```

```

<210> 123
<211> 741
<212> DNA
<213> Orang-utan

```

```

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

```

```

<400> 123
cattatgaacn nnnnnnaaatt taattgcaga ggtaggtacg aatgtactgt gctatgttgt 60
ataacttaaa cacaatagac tgtatcttac tgtcataaca ataatgactc atctagatta 120
ttgagtgaga tacatatatta tcttaagawt tatcttaaaa aatttcagaa aattttaattt 180
tactgttgtg ttttaggaaa aacgtattgc ataaagctat taatattgtc aggaaaagtg 240
cagagtagac taagaattag gaaaattcct agactaaaan nnnataagga gaggggttac 300
ctactgtttg aggcagtttg tctaatagta agcgattata gggagaaagc agaactactt 360
aactcttctg tgttgaggaa tgacatgaaa ggtaggaaag gatataacaa atgttgataa 420
gaggagcctg atggatgaga ggagggaact gctttaaatg agttctactt cagacataag 480
ttaattctca gagccacaa aaactttcac tttcatttgt gaaatacaac tcagttctca 540
cggcttaaca ctttaaacca tgagagaact gaagagttga gaagcttggc agatgcttct 600

```

```

gtgatagtca aaaagaaagt ggggtgccatg agctactatt gatgtatttg ccattgatcc 660
cycctgaaaa tctagaatgg actttcagac aaatgggttg aaaatcctaa atcactaatg 720
attgggatttt agtatagatt c                                     741

```

```

<210> 124
<211> 608
<212> DNA
<213> Orang-utan

```

```

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

```

```

<400> 124
cattatgaacn nnnncaaatt taattgcaga ggtaggtacg aatgtactgt gctatgttgt 60
ataacttaaa cacaatagac tgtatcttac tgcataaca ataatgactc atctagatta 120
ttgagtgaga tacatattta tcttaagaat tatcttaaaa datttcagaa aatttaattt 180
tactgttgtg ttttaggaaa aacgtattgc ataaagctat taatattgtc aggaaaagtg 240
cagagtagac taagaattag gaaaattcct agactaaaat nnnataagga gagggtttac 300
ctactgtttg aggcagttgg tctaatagta agcgattata gggagaaagc agaactactt 360
aactcttctg tgttgaggaa tgacatgaaa ggtaggaaag gatataacaa atgctgataa 420
gaggagcctg atggatgaga ggagggaact gctttaaatg agttctactt cagacataag 480
ttaattctca gagccacaaa aactttcact ttcatttgtg aaatacaact cagttctcac 540
ggcttaacac ttttaacccat ggagagacct gaagagttgg agaagcttgg cagatgcttc 600
tgtgatag                                     608

```

```

<210> 125
<211> 402
<212> DNA
<213> Banting cattle

```

```

<400> 125
gagagacatt atgacaccgc caaatttaat tgcagaggta agtataggta cacatattat 60
gttagataac ttgaagccaa cagtctaaat tttactgtca taccaataat gaataatctc 120
aagtattaag tgatatattt atcttaaaaga ttggtctgaga aaatttgaaa ttaattttgc 180
tgttgtgttt ttggaaataa gtatcatgta aatgagggaag actaaattga attaactgaa 240
aactaggaga aatttataga ctaacagaat aaatagaggg ttatatctgt gatttgaggc 300
atttggcatg atagtaagag attacaggga gaaaggagaa tggcttaatt ctgtaatgga 360
acatgacctg tacagtggaa aagggtataa tgaaatatgg at                                     402

```

```

<210> 126
<211> 479
<212> DNA
<213> Indian elephant

```

```

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

```

```

<400> 126
gacattatga cnnnnnnnnn nnnnnntgca gaggtaggta taaatgtttt atagtatgtt 60
gtataactta aaaccaaag tctaaatatt actgccatag caatagtga tttcttagat 120
tattaagtaa gataaatatt tatcttaagg atgggtctta aaatttgagg gaaataaatt 180
taattttaat attatgtttt agaacaagta tcccataacc ctatgagtaa tgcgtgaag 240

```

```

acaaaaataa agaataggct aagaattagg agaaattcct aggataagaa taaaataagg 300
aaggggggca tgcctagtgt ttgaggcagt tgggtgtaata ctaagagatt atatggagaa 360
agcaggacta ctcaattcct ctctatcaaa gagaataacc taaaggggtg aaaagagtat 420
aacaaatgtg gataagagga gcttgagaac gagagtgggg agatgcttta aatgagctc 479

```

```

<210> 127
<211> 284
<212> DNA
<213> Fishing cat

```

```

<400> 127
gagagacatt atgacaccgc caaattttaac tgcagaggta ggtattaht gcagagtaat 60
gtattatggt atataactyc aaaccagtag actaaatctt actgtcatag cagtgatgaa 120
taatctcatt attaagttag ataaatattt atcttcaaga tggctctaaa aaatttgcaa 180
aacaaattta attttgctgt tgtgttttgg gaagcaagta tcctataaac ctgccggtac 240
taactagtag gaagactaat cccagagtag actaagaatt tgga 284

```

```

<210> 128
<211> 290
<212> DNA
<213> Sun bear

```

```

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

```

```

<400> 128
gagagacatt atgaacnnnn nnnnnnnaac tgcagaggta ggtaaaaact gccagtaat 60
gtatttatgt tgtataactt aaaaccagta gaccaaactt tactatcata gcagtaatga 120
ataatctcaa ttaattaagt ggaagtaaatt tatttatctt aaagatgggc ttagacactt 180
tggaaaacta atttaatat gctgttgtgt tttaggaagc agttatcata taaacctgcc 240
agtactagta cgaataactaa aacgcagagt agactctaaa attgaggaaa 290

```

```

<210> 129
<211> 272
<212> DNA
<213> Dwarf goat

```

```

<400> 129
gagagacatt atgacaccgc caaattttaat tgcagaggta agtacaggta cacatattat 60
gttaggtaac ttgaagccaa cagtctaaat tttactgtca taccaataat gaataatcac 120
aagtattaag taatatattt atgttaaaga tggcctgaga aaatgtgaaa ttaactttgc 180
tggtgtgttt ttggaaataa gtatcatgta aatgaggatg actaaattga attaactgaa 240
aactaggaga agtttataga ctaacagaat ag 272

```

```

<210> 130
<211> 327
<212> DNA
<213> Guinea pig

```

```

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

```

<400> 130
gagagacatt atgaacnnnnn nnnattttaat tgcagaggta tgtataaata taccatgggtc 60
tgggggtatga ttgaaaacca ataggctgtg ttttattatc agcaataatg gatcatttaa 120
attattagaa aagataaata tttttcttta attatagtct gagataattt gaaaatacta 180
atTTTTTggT tgagcttttag aaatcatgtg tcaggtaaatt ctgtcaatgt tgtccggaaa 240
actcgagtac atagtagact taagaattag gataaattac taaactgata atggaataaa 300
gaggatattt acctgctgct tgaaaca 327

<210> 131
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Zoo43sUV

<400> 131
tgtgctgaga gacattatga c 21

<210> 132
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Zoo44aRV

<400> 132
ttgtctctgg tccttactt 19

<210> 133
<211> 281
<212> DNA
<213> Man

<400> 133
ttgtctctgg tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg 60
ccccgatgta ataaatatgc ataaatcatt ataccagttc gtccctttcc agctttacag 120
tgaattgctg caacatgatt gtcattcttca cttagccatt ggtcaagatc ttcacaaaag 180
ggtttgataa gttctagctg tgggtgggtta tggctttcaa aaggatattg cgcaactctg 240
taattagatt tggcgggtgc ataattgtctc tcagcacaac t 281

<210> 134
<211> 271
<212> DNA
<213> Chimpanzee

<400> 134
ggtccttact tccccataga aatgtagggc ctcttgtgcc tttaaaaatt tgccccgatg 60
taataaatat gcataaatca ttataaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca tcgggtcaaga tcttcacaaa agggtttgat 180
aagttctagc tgtgggtgggt tatggctctc aaaaggatat tgcgcaactc tgtaattaga 240
tttggcgggtg tcataatgtc tctcagcaca a 271

<210> 135
<211> 271

<212> DNA
 <213> Oran-utan

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 135
 tgggtccttac ttcccatag aaatctagg cctcttggtgc ctttaaaaaat ttgccccgat 60
 gtaataaata tgcacaaatc attacaccag ttcggtccctt tccagcttta cagtgaattg 120
 ctgcaacatg attgtcatct tcaacttagcc attgggtcaag atcttcacaa aagggtttga 180
 taagttctag ctgtgggtggg ttatgggtctt caaaaggata ttgtgcaact nnnnnnnnnn 240
 nnnnnnnnnn gtcataatgt ctctcagcac a 271

<210> 136
 <211> 268
 <212> DNA
 <213> Gorilla

<400> 136
 ctgggtcctta cttccccaga gaaatctagg gcctcttggtg cttttaaaaaa tttgccccga 60
 tgtaataaat atgcataaat cattatacca gttcggtccct ttccagcttt acagtgaatt 120
 gctgcaacat gattgtcatc ttcacttagc cattgggtcaa gatcttcaca aaagggtttg 180
 ataagttcta gctgtggtgg gttatgggtct tcaaaaggat attgtgcaac tctgcaatta 240
 aatttggcgg tgtcataatg tctctcag 268

<210> 137
 <211> 306
 <212> DNA
 <213> Domestic pig

<400> 137
 tctctgggtcc ttacttcccc atagaaatct tgtgccttta aaaatttgcc cggatgaaac 60
 aaatatgcac aaatcattac accagttcat ccttttccag gtttacagtg aattgctgca 120
 acatgattgt catcttcact tagccattgg tcaagatctt cacaaaaagg tttgataaat 180
 tctagctgtg gtggattatg atcttcaaaa ggatactgtg caactctgca gttaaatgtg 240
 gcggtgtcat aatgtctctc agcacaactc tgcaattaaa tttggcggtg tcataatgtc 300
 tctcag 306

<210> 138
 <211> 258
 <212> DNA
 <213> Wild boar

<400> 138
 tctctgggtcc ttacttcccc atagaaatct tgtgccttta aaaatttgcc cggatgaaac 60
 aaatatgcac aaatcattac accagttcat ccttttccag gtttacagtg aattgctgca 120
 acatgattgt catcttcact tagccattgg tcaagatctt cacaaaaagg tttgataaat 180
 tctagctgtg gtggattatg atcttcaaaa ggatactgtg caactctgca gttaaatgtg 240
 gcggtgtcat aatgtctc 258

<210> 139
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>

<223> SPL5 sense

<400> 139

aaattttaatt gcagaggt

18

<210> 140

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Zoo44aRV antisense

<400> 140

ttgtctctgg tccttacttc

20

<210> 141

<211> 712

<212> DNA

<213> Man

<400> 141

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|-----|
| ttgtctctgg | tccttacttc | cccatagaaa | tctagggcct | cttgtgcctt | taaaaatttg | 60 |
| ccccgatgta | ataaatatgc | acatatcatt | acaccagttc | gtccctttcc | agcttttacag | 120 |
| tgaattgctg | caacatgatt | gtcatcttca | cttagccatt | ggtcaagatc | ttcacaaaag | 180 |
| ggtttgataa | gttctagctg | tggtgggtta | tggtcttcaa | aaggatattg | tgcaactgtg | 240 |
| gtaaaaagat | aacctcagaa | taagaaaaaa | aaactcttga | atttttaatt | aacaagtagg | 300 |
| taactttaga | aatgttgcat | acaaacttaa | caggtattta | aaagaaacac | tggtattccag | 360 |
| agaaaaataa | tgtattgctt | aacttttctaa | ttgttaaata | gaaaatagtc | tcttgataag | 420 |
| tcttaaatat | aatcattaag | gaagccaggt | attattttcc | cccattttat | tcaggaggat | 480 |
| atattctggg | aattttacgt | atacggactg | gtagcatagg | tcacatatta | gaggtagagc | 540 |
| taaacccaaa | atgaactgtc | acatggacat | ttcgtcagga | ctctcaatgc | aaaaggaata | 600 |
| atactatttta | tagtattttat | ttcatcatca | caaaacatat | tccaaagaca | gaatagttta | 660 |
| ctaataggta | aactatgcaa | agaactacat | attacatttc | ataaaaataa | aa | 712 |

<210> 142

<211> 593

<212> DNA

<213> Chimpanzee

<220>

<221> misc_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 142

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tggtccttac | ttccccatag | aaatctaggg | cctcttgtgc | ctttaaaaat | ttgccccgat | 60 |
| gtaataaata | tgcacaaatc | attacaccag | ttcgtccctt | tccagcttta | cagtgaattg | 120 |
| ctgcaacatg | attgtcatct | tcacttagcc | attggtcaag | atcttcacaa | aagggttga | 180 |
| taagttctag | ctgtgggtgg | ttatggtctt | caaaaggata | ttgtgcaact | gtggtaaaaa | 240 |
| gataacctca | gaataagaaa | aaaaaactct | tgaattttta | attancaagt | aggnnnnntt | 300 |
| agaatgttgc | atacaaaact | aacaggtatt | taaaagaaac | actggattcc | agagaaaaat | 360 |
| aatgtattgc | ttaactttct | aattgtttaa | tagaaaatag | tctcttgata | agtcttaaat | 420 |
| ataatcatta | aggaagccag | gtattattct | ccccattttt | attcaggagg | atatattctg | 480 |
| ggaattttacg | ctatacggac | tggtagcata | ggtcacatat | tagaggtaga | gctaaactca | 540 |

aaatgaactg tcacatggac atttcatcag gactctcaat gcaaaaggaa taa 593

<210> 143
 <211> 589
 <212> DNA
 <213> Chimpanzee

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 143
 ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60
 taaatatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120
 aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180
 ttctagctgt ggtgggttat ggtcttcaaa aggatattgt gcaactgtgg taaaaagata 240
 acctcagaat aagaaaaaaa aactcttgaa tttttaatta acaagtaggn nntttagaaa 300
 tgttgcatac aaacttaaca ggtattttaa agaaacactg gattccagag aaaaataatg 360
 tattgcttaa ctttctaatt gttaaataga aaatagtctc ttgataagtc ttaaatataa 420
 tcattaaggg agccagggtat tattctcccc cattttattc aggaggatat attctgggaa 480
 tttagcgtat acggactggt agcataggtc acatattaga ggtagagcta aactcaaaat 540
 gaactgtcac atggacattt catcaggact ctcatgcaaa aggaataat 589

<210> 144
 <211> 593
 <212> DNA
 <213> Orang-utan

<400> 144
 acttccccat agaaatctag ggctcttctg gcctttaaaa atttgccccg atgtaataaa 60
 tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat tgctgcaaca 120
 tgattgtcat cttcacttag ccattgggtca agatcttcac aaaagggttt gataagttct 180
 agctgtggtg ggttatggtc ttcaaaagga tattgtgcaa ctgtggtaaa aagataacct 240
 cagaataaga aaaaaaaact cctgaatttt tcattaacaa gtaggtaact ttagaaatgt 300
 tgcatacaaa cttaacagggt atttaaaaga aacactggat tccaaagaaa aataatgtat 360
 tgcttaactt tctaattggt aaatagaaaa tagtctcttg ataagtctta aatataatca 420
 ttaaggaagc caggtattat tttcccccat tttattcagg aggatataat ctggggattt 480
 aactatacag gactggtagc ataggtcaca tattagaggt agagctaaac ccaaaatgaa 540
 atgtcacatg gacatttctg caggactgtc aatgcaaaag gaataatact att 593

<210> 145
 <211> 724
 <212> DNA
 <213> Orang-utan

<400> 145
 tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg ccccgatgta 60
 ataaatatgc acaaatcatt acaccagttc gtccctttcc agctttacag tgaattgctg 120
 caacatgatt gtcattctca cttagccatt ggtcaagatc ttcacaaaag ggtttgataa 180
 gttctagctg tgggtgggtta tgggtcttcaa aaggatattg tgcaactgtg gtaaaaagat 240
 aacctcagaa taagaaaaaa aaactcctga atttttcatt aacaagtagg taactttaga 300
 aatgttgcac acaaaacttaa cagggtattta aaagaaacac tggattccaa agaaaaataa 360
 tgtattgctt aactttctaa ttgttaaata gaaaatagtc tcttgataag tcttaaatat 420
 aatcattaag gaagccagggt attattttcc cccattttat tcaggaggat atattctggg 480
 aatttacact atacggactg gtagcatagg tcacatatta gaggtagagc taaacccaaa 540


```

atgaaatgtc acaggacatt tcgtcaggac tgtcaatgca aaaggaataa tactatttat 600
agtattatac atcatcacaa acatattcca aagacagaac agattactaa taggataaac 660
tatggaagac tatatattac atttcataaa ataaaaagct aagtgtgtta tttaaagggg 720
gtct 724

```

<210> 146
 <211> 831
 <212> DNA
 <213> Gorilla

```

<400> 146
gtccttactt ccccatagaa atctagggcc tcttgtgcct ttaaaaattt gccccgatgt 60
aataaatatg cacaaatcat tacaccagtt cgtccctttc cagctttaca gtgaattgct 120
gcaacatgat tgtcatcttc acttagccat tgggtcaagat cttcacaaaa gggtttgata 180
agttctagct gtggtgggtt atggtcttca aaaggatatt gtgcaactgt ggtaaaaaga 240
taacctcaga ataagaaaaa aaactcctga atttttaatt aacaagtagg taactttaga 300
aatgctgcat acaaaacttaa caggatattt aaagaaacac tggattccag agaaaaataa 360
tgtattgctt aactttctaa ttgttaaata gaaaacagtc tcttgataag tcttaaatat 420
aatcatthaag gaagccagggt attattttcc ccattttat tcaggaggat atattctggg 480
aatttacgct atatggactg gtagcatagg tcacatatta gaggtagagc taaacccaaa 540
acgaactgtc acatggacat ttcgtcagga ctctcaatgc aaaaggaata atactattta 600
tagtatttat wtcacatca caaaacatat tccaaagaca gaatagatta ctaataggat 660
aaactatgca aagaactaca tattacattt cataaaataa aaatgctaag tgtgttattt 720
aaaggtggtc ttgcaaatgt tagtgttgta tacacatgta atcattaggg aagccaagta 780
ttattttcct ccgttttctg caggagaata cattctggga atctatgctc a 831

```

<210> 147
 <211> 556
 <212> DNA
 <213> Domestic pig

```

<400> 147
tctctgggtc ttacttcccc atagaaatct agggcctctt gtgcctttta aaatttacc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cctttccagc ttacagtga 120
attgctgcaa catgattgtc atcttcactt agccattggt caagatcttc acaaaaagg 180
ttgataagtt ctagctgtgg tggattatgg tcttcgaaag gatactgtgc aactgtggaa 240
aaagataacc tcagaataaa aaaatctctc ctgagttgct aattaaaagt aggttaactt 300
ttgaaatctt gcatataaat tcaatagaga ttttaataaa aaactgaact ccagggaaaa 360
attgtctgat aattttcaaa tagaaaatag aaaataatct cctgttaact caaatttccc 420
cattagatag ggaggccaag tatcattttc ccactttat gaaggaggaa actttgcaat 480
agagtagcaa tgtatcagag gtcacaacgt atcagaaatg gaggtaaact caaaatgaaa 540
tgtcacatga gccctt 556

```

<210> 148
 <211> 752
 <212> DNA
 <213> Wild boar

```

<400> 148
tctctgggtc ttacttcccc atagaaatct agggcctctt gtgcctttta aaatttacc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cctttccagc ttacagtga 120
attgctgcaa catgattgtc atcttcactt agccattggt caagatcttc acaaaaagg 180
ttgataagtt ctagctgtgg tggattatgg tcttcgaaag gatactgtgc aactgtggaa 240
aaagataacc tcagaataaa aaaatctctc ctgagttgct aattaaaagt aggttaactt 300
ttgaaatctt gcatataaat tcaatagaga ttttaataaa aaactgaact ccagggaaaa 360
attgtctgat aattttcaaa tagaaaatag aaaataatct cctgttaact caaatttccc 420

```

```

cattagatag ggaggccaag tatcattttt cccactttat gaaggaggaa acttttgaat 480
agagtagcaa tgtatcagag gtcacaacgt atcagaaatg gaggtaaact caaaatgaaa 540
tgtcacatga gcccttctta tcagggctta ccatatattt tctaacaaaa ggagttgcag 600
tacttataat attggatcat tacaaaatgt atgtttcaaa gaaagtatag ttcactaata 660
aatcaacaat ggaaaagata gcaattttgt cttcatacaa taaaaatgcc aagcatgtta 720
ttttaaagat ggtcttgcta atagtgtctg at 752

```

<210> 149
 <211> 715
 <212> DNA
 <213> Cattle

```

<400> 149
ctctggtcct tacttcccca tagaaatcta gggcctcttg tgcctttaaa aatttgcccc 60
gatgtaacaa atatgcacaa atcattacac cagttcgtcc ctttccagct ttacagtga 120
ttgctgcaac atgattgtca tcttcactta gccattggtc aagatcttca caaaagggtt 180
tgataagttc taactgtggt ggattatggt cttcaaaggg atactgtgca actgtgata 240
aaaaataacc tcagaataag aaaataatct cacttgaatt gcttattaca agtaggttaa 300
ctttagaaat gttgcataca aatagtttaa aaatatctga actatagaga aaaagaattt 360
attgtctgat aattttctaa ttttgaacag aaaataatct ctcattaact caaatttatc 420
cattagacag gtacgtcaag tattattttt ctcactttat gatggaggca atggagtagc 480
aacatatcag aggtcacacac ataacagagg gagaggtaaa ctcaaaatga tacatcaca 540
gagcctctta tcagggstct caatacattt tctagcaaaa ggaactgtaa tatctataat 600
attgcattat cacaaaatat gtattccaaa gaaagcaaag atcctaataa atcacaatgc 660
aaagactgca ttttatgcta tatatacaga aggcagcata ttatttttaa gatgg 715

```

<210> 150
 <211> 708
 <212> DNA
 <213> Banting cattle

```

<400> 150
ggtccttact tccccataga aatctagggc ctcttgtgcc tttaaaaaatt tgccccgatg 60
taacaaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggtcaaga tcttcacaaa agggtttgat 180
aagttctaac tgtggtggat tatggtcttc aaagggatac tgtgcaactg tgataaaaaa 240
ataacctcag aataagaaaa taatctcact tgaattgctt attacaagta gggttaacttt 300
agaaatgttg catacaaaata gtttaaaaaat atctgaacta tagagaaaaa gaattttattg 360
tctgataatt ttctaatttt tgaacagaaa ataatctctc attaactcaa atttatccat 420
tagacaggta cgtcaagtat tattttcctc actttatgat ggaggcaatg gagtagcaac 480
atatcagagg tcacaacata acagaggagg aggtaaactc aaaatgatac atcacatgag 540
cctcttatca gggctctcaa tacattttct agcaaaagga actgtaatat ctataatatt 600
gcattatcgc aaaatatgta ttccaaagaa agcaaagatc actaataaat caacaatgca 660
aaagactgca ttttatgcta tatatacaga aggcaagcat attatttt 708

```

<210> 151
 <211> 548
 <212> DNA
 <213> Red buffalo

```

<400> 151
ggtccttact tccccataga aatctagggc ctcttgtgcc tttaaaaaatt ttccccgatg 60
taacaaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggtcaaga tcttcacaaa agggtttgat 180
aagttctaac tgtggtggat tatggtcttc aaagggatac tgtgcaactg tgataaaaaa 240
ataacctcag aataagaaaa taatctcact tgaattgctt attacaagta gggttaacttt 300

```

```

agaaatgttg catacaaaga gtttaaaaaat atctgaacta tagagaaaaa gaattttattg 360
tctgataaatt ttctaatttt gaacagaaaa taatctctca ttaactcaaa tttatccatt 420
agacaggtaa gtcaagtatt attttcctca ctttatgatg gaggcaatgg gtagcaacat 480
atcagaggca caacataaca gaggggaaag gtaaaactcaa aatgaaacat cacatgagcc 540
tcttatca 548

```

<210> 152
 <211> 700
 <212> DNA
 <213> Sheep

```

<400> 152
tctggctcctt acttccccat agaaatctag ggctctctgt gcctttaaaa atttgccccg 60
atgtaacaaa tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat 120
tgctgcaaca tgattgtcat cttcacttag ccattgggtca agatcttcac aaaaggggtt 180
gataagttct aactgtggtg gattatgggtc ttcaaaggga tactgtgcaa ctgtgataaa 240
aagataaccg cagaataaga aaataatctc acttgaattg cttattacaa gtaggctaac 300
tttagaaatg ttgcatacaa atagttttaa aatrtctraa ctatagagga aaagaattta 360
ttgtctgata attttctaatt tttcgaacag aaaataatct ctcattaact caaatttatc 420
cattcgacag gtaagacaag tattattttc ctactctat gatggaggca atggaggagc 480
aacatatcag aggtcacacac ataacggagg aagaggcaaa ctcagaatga aacgtcgcac 540
gagcctctta gcagggtctt caatacgttt cctagcaaaa ggaactgtaa catctataat 600
atcgattat cacaaaacat gtattccaaa gaaagtacag atcactaata agtcaacaat 660
gcagaagact gcattttatg cttgacgtga cagaaaggca 700

```

<210> 153
 <211> 780
 <212> DNA
 <213> Bighorn

```

<400> 153
ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60
caaatatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180
ttctaactgt ggtggattat ggtcttcaaa gggatactgt gcaactgtga taaaaagata 240
accgcagaat aagaaaataa tctcacctga attgcttatt acaagtaggc taactttaga 300
aatgttgcac acaaatagtt taaaaatctc tgaactatag tggaaaagaa tttattgtct 360
gataattttc taattttcga acagaaaata atctctcatt aactcaaatt tatccattcg 420
acaggtaaga caagtattat tttcctcact ctatgatgga ggcaatggag gagcaacata 480
tcagagggtc cagcataacg gaggaagagg caaactcaga atgaaacgtc gcacgagcct 540
cttagcaggg ctctcaatac gtttcctagc aaaagggaact gtaacatcta taatatcgca 600
ttatcacaaa acatgtattc caaagaaagt acagatcact aataagtcaa caatgcagaa 660
gactgcattt tatgcttgac gtgacagaaa gggcaagcat attattttaa gatggtctcg 720
aaaatgcaac tgttgcgtac acacaattct aaagacattc acaaagacac ttaaaaattt 780

```

<210> 154
 <211> 463
 <212> DNA
 <213> Cameroon sheep

```

<400> 154
acttccccat agaaatctag ggctctctgt gcctttaaaa atttgccccg atgtaacaaa 60
tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcacttag ccattgggtc agatcttcac aaaaggggtt gataagttct 180
aactgtggtg gattatgggtc ttcaaaggga tactgtgcaa ctgtgataaa aagataaccg 240

```

```

cagaataaga aaataatctc acttgaattg cttattacaa gtaggcgggt ttagaaatgt 300
tgcatacaaa tagtttaaaa atgtotgaac tatagaggaa agaatttatt gtctgataat 360
tttctaattt tcgaacagaa aataatctct cattaactca aatttatcca ttcgacaggt 420
agacaagtat tatttttctca ctctwtgatg gaggcattgg agg 463

```

<210> 155
 <211> 524
 <212> DNA
 <213> Deer

```

<400> 155
tctctgggtcc ttacttcccc gtagaaatct agggcctctt gtgcctttta aaatttgccc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cttttccagc tttacagtga 120
atcgctgcaa catgattgtc atcctcactt agccattggg caagatcttc acaaaagggc 180
ttgataagtt ctaactgtgg tggattatgg tcttcaaagg gatactgtgc aactgtgata 240
aaaaaatgac ctcagaataa gaaaataatt tcacttgaat tgcttattac aagtaggtta 300
actttagaaa tgttgcatat aaatagttta aaaatatccg aaccataaag aaaaagaatt 360
tattgtctgg taattttcta atttttgaac agaaaataat ctctcattaa ctcaaattta 420
tccattagaa aggtaagtca agtattgttt tcctcacttc atgatggagg caatggagga 480
gcaacatatc agaggcacag cataacagag gaagaggtaa actc 524

```

<210> 156
 <211> 647
 <212> DNA
 <213> Roe deer

```

<400> 156
tctctgggtcc ttacttcccc gtagaaatct agggcctctt gtgcctttta aaatttgccc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cttttccagc tttacagtga 120
atcgctgcaa catgattgtc atcctcactt agccattggg caagatcttc acaaaagggg 180
ttgataagtt ctaactgtgg tggattatgg tcttcaaagg gatactgtgc aactgtgata 240
aaaagataac ctcagaataa gaaaataatt tcacttgaat tgcttattac aagtaggtta 300
actttagaaa tgttgcatat aaatagttta aaaatatcca aaccataaag aaaaagaattt 360
attgtctgat aatttttcta tttttgaaca gaaaataatc tcttatwaac tcaaattgat 420
ccattagaaa ggtaagcaga gtattgtttt cctcacttca tgatgcaggc aatggaggag 480
caacatatca gaggtcacag cataacagag gaagaggtaa actcacaatg aaacatcaca 540
tagcctctta tcaggactct caatacattt tctagcagaa ggaaccgtaa tatctataac 600
attgcattat cacaaagtat gtattccaaa taaagtacat aacacta 647

```

<210> 157
 <211> 512
 <212> DNA
 <213> Goitred gazelle

```

<400> 157
tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg ccccgatgta 60
acaaatatgc acaaatcatt acaccagttc gtccctttcc agcttttacag tgaattgctg 120
caacatgatt gtcactttca cttagccatt ggtcaagatc ttcacaaaag ggtttgataa 180
gttctaactg tgggtggatta tgggtcttcaa agggatactg tgcaactgtg ataaaaagat 240
aacctcagaa taagaaaata atctcacttg aattgcttat tataagtagg ttaactttat 300
aatgtttgca tacaacagat ttaaaaatat ctgaactaca gagaaaaaga atttattgtc 360
tgataatttc taattttttg acagaaaata atctctcata actcaaattt acccattaga 420
caggttaagcc aagtattatt ttctcacttt atgatggagg caatggagta gcacatatca 480
gaggcacac ctaacagagg agaggtaact ca 512

```

<210> 158

<211> 798
 <212> DNA
 <213> Horse

```
<400> 158
ggtccttact tctccataga aatctagggc ctctgtgtgc tttaaaaact tgccccgatg 60
taacaaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggccaaga tcttcacaaa aggggtttgat 180
aagttctagc tgtgggtggat tatgatcttc aaaaggatac tgtgcaactg tggtaaaaag 240
ataatctcaa attaagaaaa aaatctctcc tgaattgttt attaaaagta ggtaactttt 300
aggaatgctg cgtataagtt taacagatat ttaaaagaaa aactgaactc cagagaaaaa 360
taattttattg tctgataatt ttctaatttt tgaatagaaa ataagagtcc cattaattct 420
caaaactcat ccattagaca gggaagccaa gtattatttt ccctactcta tgaaggagta 480
cattgtgcta tgcagaggta gcaaagggtc caacacataa gacatggagg tgaactcaaa 540
atgaaatgtc acatgggcct cttgttatgg ctttcaatgc atactctaac aaaaggagaa 600
ataacactta gaattattga tcaccacaaa acatatattc caaagaaagt acagattact 660
aataaatcaa cggraaggat ggcattttac acttcatata ataaaaatgc taactgtgtt 720
attttaaga tggctctggc aatggtagcg ctgtataccg actttaacag catttacaaa 780
gaaactggaa aatcactt                                     798
```

<210> 159
 <211> 519
 <212> DNA
 <213> African elephant

<220>
 <221> misc_feature
 <222> (1)...(519)
 <223> n = A,T,C or G

```
<400> 159
tggtccttac ttcnnnnnnn nnnnnnnnnn nnncttgtgc ctttaaaaat ttgccccgat 60
gtaacaaata tgcacaaatc attacaccag ttcgctccctt tccagcttta cagtgaattg 120
ctgcaacatg attgtcatct tcacttagcc attgggtcaag atcttcacaa aagggtttga 180
taagctctag ttgtgggtggg ttgtgggtctt caaaaggata ctgtgcaact gtggtaaaaa 240
gataaactca gaataagaaa aaaatctctc ctgaattttt aattaaaagt aggttagctt 300
cagaacatt gcacataaac tataaacagg tgtttaaata aaagataagc taaactccct 360
taaaaaaaaaa tttattgcct gataacttgc tagtttttga atatagtctc tcactaactc 420
ttaaattgcat ccattaaaaa aggagaccaa gtattatttt cccacatta tgctagagga 480
aactgtgtta tgctgaagta gcacagggtta catctcaga                                     519
```

<210> 160
 <211> 776
 <212> DNA
 <213> Indian elephant

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

```
<400> 160
tggtccttac ttccccataa aaatctaggg cttcttgtgc ctttaaaaat ttgccccgat 60
gtaacaaata tgcacaaatc attacaccag ttcgctccctt tccagcttta cagtgaattg 120
ctgcaacatg attgtcatct tcacttagcc attgggtcaag atcttcacaa aagggtttga 180
taagctctag ttgtgggtggg ttgtgggtctt caaaaggata ctgtgcaact gtggtaaaaa 240
```

```

gataaactca gaataagaaa aaaatctctc ctgaatTTTT aattaaaagt aggttagctt 300
cagaaacatt gcacataaac tataaacagg tgtTTTaaata aaagataagc taaactccat 360
taaaaaaaaaa tttattgcct gataacttgc tagTTTTtga atatagtctc tacttaactc 420
ttaaattgcat ccattaaaaa aggagaccaa gtattatTTT cccacatta tgctagagga 480
aactgtgtta tgctgaagta gcacaggTTa catctcagag gtggagctga acccaaaaag 540
aaatgttaca taggcctcct gtcaagggtc gtcaatgcat tttctaacaa aaggagtagt 600
gacactaata atattgcatc accttggtaa cagaacatat tctcaaaggT agaatggatt 660
attaacagaa tcagtaatgg aaaggattgc attttatact tcatataaaa natgttcggt 720
ctattatTTa aaggTgcct taaaaatgtt agtgttTtat acaatgattt ataaga 776

```

<210> 161

<211> 701

<212> DNA

<213> Dog

<400> 161

```

ggtccttact tccccataga aatctagggc ctcttTgtgc tttagaaatt tgccccgatg 60
taataaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatcct cacttagcca ttgtTcaaga tcttcacaaa agggTTtgat 180
aagttctagc tTgtgtggat tatTgtcttc aaaaggTatc tTgtgcaactg TggTaaaaaag 240
ataacctcag aattagaaaa aagtctttcc Tgaactgttt attaaaagTa ggtTaaactt 300
agaaacattg catgtaagct taacagatgt TtaaaaGaaa aacggaactc cagagaaaaa 360
taatttgctg tctgataatt ttccaatttt Tgaatagaaa atagtctctc attaatTctt 420
aaacctacca ctagagagag aggctaagca ttattttccc cactTTaatg aaaggagaaa 480
ctttgcaatg gagagggagc acacgtcaac atatcagagg gaagaggcaa actcaaaatg 540
aaatggcaca caggTTtctc gtcagggtc Tcaatgcatt ttctgacaaa aggagTcata 600
atatttataa tactacgtca tcacaaaata tatattccag agaaagtata aataaccgat 660
aatcaatga Tggaaaggat Tgattttaca cttgatataa t 701

```

<210> 162

<211> 603

<212> DNA

<213> Sun bear

<220>

<221> misc_feature

<222> (1)...(603)

<223> n = A,T,C or G

<400> 162

```

ggtccttact tcnnnncata gaaatctagg gcctcttTgt cctttaaaaa tttgccccga 60
tgtaataaat atgcacaaat cattacacca gttcgtccct ttccagcttt acagtgaatt 120
gctgcaacat gattgtcatc ttcaacttagc cattTgtcaa gatcttcaca aaagggtttg 180
ataagttcta gctgtgtTg attatTgtct tcaaaaggat actgtgcaac TgtTgTaaaa 240
ggataacctc agaattagaa aaaagtcttt cctgaattgt ttattaaaga aggtTaaact 300
tagaaatgtt gcatataagc ttaacagatg tttaaaagaa aaactaaact ccagagaaaa 360
taatttgctg cctgacaatt tacgaatttt Tgaatagaaa acagtctctc attaatTctt 420
aaaccacccc acaagacaga ggccaagcat tatTgtcccc actTaaactga agaggaaaga 480
aactttgcta TggagaggTa gcacaagtca catatcagag ggagaggcaa attcnaaatg 540
aatgtcacg taggttaggt tctgttaggg ctctcaatgc atttttctga caaaaggagt 600
cgt 603

```

<210> 163

<211> 536

<212> DNA

<213> Mouse

```

<400> 163
ccttacttcc ccataaaaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgcaa 60
taaataatgca caaatcatta caccagtcgc tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacagaagg gtttgataag 180
ttctagctgt ggtgggttat ggtcttcaaa aggatactgt gcaactgttg caaaaagata 240
atcccagtggt aagaaaaattt taaatttttt atttaaaaac atagggttaac tttcaaaatg 300
ttatatataa acttactggt tcttaaaaga agcctaactt tcaggaaatt ttaattttatt 360
actaattaaa cctagatttt aaagaaagtc ttttattaat tcttaaatgc attcattaga 420
catggaaaca agcatttgtgc tcttcactcc agggaggatg aatctgtgca tgaagggaac 480
acgtcatagc ctatcagtc actgaatcca aatgcacgtc acccaggcac ttgtca 536

```

```

<210> 164
<211> 696
<212> DNA
<213> Guinea pig

```

```

<400> 164
acttctccat agaaatctag agcctcttgt gcctttaaaa atttgccccg atgtaataaaa 60
tatgcacaaa tcattacacc agtccgtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcacttag ccattgggtca agatcttcac aaaaaggctt gataagttct 180
agctgtggtg ggttatgac ttcaaaaggg tattgtgcaa ctgtgataaa aacataatct 240
cagagtaaga aagggatctt gcctaaattt ctaatcagaa atagggtcaac tttagaaatg 300
tttcacataa actcaagatg tttaaacaga aaaactgaac tgcatagaaa aataattttat 360
tgttcgttta cttttttact ttcttttttt aaaatacaaa atagtctatt agtaactttt 420
aaacgtatct attacacaag gtggccagggt attacgttct tcacttcatg caggagaaaa 480
ctgtgatttg acagggaaca cagatcataa aacatcaaag atacatcgaa tccaaaaaaa 540
taccagggtc cacagcctct cataacgtct ttagggtgaat ttctgacaaa agcagtaaca 600
tttattatac tgcataacca tacaacacac tttgaaggaa gtatgaacta ctaatrggat 660
acactatgaa aaarmtgcat tttatatatt ataaat 696

```

```

<210> 165
<211> 695
<212> DNA
<213> Himalaya-Tahr

```

```

<220>
<221> misc_feature
<222> (1)...(695)
<223> n = A,T,C or G

```

```

<400> 165
acttcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna atttgccccg atgtaacaaa 60
tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcacttag ccattgggtca agatcttcac aaaagggttt gataagttct 180
aactgtggtg gattatgggtc ttcaaaggga tactgtgcaa ctgtgataaa aagataaccg 240
cagaataaga aaataatctc acttgaattg cttattacaa gtagggttaac tttagaaatg 300
ttgtatacaa atagttttaa aatatctgaa ctatagagga aaagaattta ttgtctgata 360
atthttctaat tttgaacaga aaataatctc tcattaaact aaattttatc attcgacagg 420
taagacaagt attcttttcc tactctatg atggaggcaa tggaggagca acatatcaga 480
ggtcacaaca taacgsagga agaggcaaac tcaagagtga aacgtcgcac gagcctctta 540
tcaggcctct ccaatacgtt tcctagcaaa aggaactgta acatctataa tatcgatta 600
tcacaaaaca tgtattccaa agaaagtaca gatcactaat aggtccaatg cagaagactg 660
cattttatgt tgatgtgaca gaaaggcaaa gcata 695

```

```

<210> 166
<211> 281

```

<212> DNA
<213> Human

<400> 166
ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60
taaataatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgatcag 180
ttctagctgt ggtgggttat ggtcttcaaa aggatattgt gcaactgtgg taaaaagata 240
acctcagaat aagaaaaaaa actcctgaat ttttaattac a 281

<210> 167
<211> 373
<212> DNA
<213> Vikunja

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 167
ccttacttcc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngatgtaa 60
caaataatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180
ttctagctgt ggtgggattat ggtcttcaaa aggatactgt gcaactgtgg ttaaaaaaaaa 240
agaaaagaaa aaaagaacct cagaataaga aaaaaaatct cccctgaact gcttattaaa 300
tgcaagttaa ctttggaat gttggcatat taaccttaac agacgtttta aaaggaaaat 360
ctgaactcca gag 373

<210> 168
<211> 291
<212> DNA
<213> Spotted mustang

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 168
ctctggctct tacttcccca tagaaatcta gggcctcttg tgcctttaaa aatttgcccc 60
gatgnaataa atatgcacaa atcattacac cagttcgctc ctttccagct ttacagtga 120
ttgctgcaac atgattgtca tcttcaactga gccattgggc aagatcttca caaaagggtt 180
tgataagttc cagctgcggt gggttatggt cttcaaaaagg atactgtgca actgtgtaaa 240
aagatcacct cagagtgaga aaagagtcct tctgaactg tttcttaaaa g 291

<210> 169
<211> 598
<212> DNA
<213> Fishing cat

<400> 169
acttccccat agaaatctag ggcctcttgt gccttttaaaa atttgccccg atgcaataaa 60
tatgcacaaa tcattacacc agttogtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcactgag ccattgggtca agatcttcac aaaagggttt gataagttcc 180
agctgcggtg gggttatggtc ttcaaaaagga tactgtgcaa ctgtgttaaaa agatcacctc 240


```

agaatgagaa aagaggcctt cctgaattgc ttcttaaaag taggttaact tcagaaacgt 300
tgcataataag cttaacagat gtttagaagg aaaactaaac tccagagaaa aatactcgtc 360
tgatgatttt ccaatttttg aacagaaaac agtctctcat taatttttaa acctatgcac 420
tagacagaga ggccgattat ttccccccat gacgaagagg agactgctct ggagagcaag 480
cacaagtcac aacgtgtcag agggagagga ggacccggaa tgtcacacag gtttcctgtc 540
agggctctca atgcattttc tgacaaaatg agtaatacgc ttatactatt acatcatc 598

```

<210> 170

<211> 220

<212> DNA

<213> Turkey

<220>

<221> misc_feature

<222> (1)...(220)

<223> n = A,T,C or G

<400> 170

```

ctctggtcct tacttcccca tagaaatcta gggcttcttg agcctttaaa aatttgccctc 60
gatgtaataa atatgcacat atcattacac cagttcgctc ctttccagct ttacagtggg 120
ttgctgcaac atgattgtca tcttcactta gccattggtc aagatcttca caaaanggtt 180
tgataagctc taactgtggt ggggttatggt cttcaaaagg 220

```

<210> 171

<211> 505

<212> DNA

<213> Cockerel

<220>

<221> misc_feature

<222> (1)...(505)

<223> n = A,T,C or G

<400> 171

```

tctggtcctt acttccccat agaaatctag ggcttcttga gcctttaaaa acttgccctcg 60
atgcaacaaa tatgcacata tcattacacc agttcgctcc tttccagctt tacagtggat 120
tgctgcaaca tgattgtcat cttcacttag ccattgggtc agatcttcac aaaaagggtt 180
gataagctct aactgtgggtg gggttatggtc ttcaaagggg tactgtgcaa ctgtaatgag 240
aaggattaac ttattaaaaa ctaaaaagga taatcaccaa gagctcaact agacagggtc 300
aatttgtgac aagcatgaaa aaattaacat tctaaatata gtcttgcata tagatttgta 360
tacacgcaac tttgattctg ctgttattca gtaacattgc acactaaatg catcacaaat 420
ttctctagta atacgtaagt atcttactgg catgaagagg actatcccac cgtgcttctg 480
nagttnttac tacagactct gcacc 505

```

<210> 172

<211> 645

<212> DNA

<213> Duck

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 172

```

ccttacttcc ccatagaaat ctagagcttc ttgagccttt aaaaacttgc ctctatgcaa 60

```

```

cagatatgcg catatcatta caccagttcg tccctttcca gctttacagt ggattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaaag gtttaattgag 180
ctcaagctgt ggtgggttat ggtcttcaaa aggggtactgt gcaactgcaa caagaaagaa 240
aaacttacca aaatctcaaa aggaaactac agcaagcttg actagacgtg tcatcttttg 300
acaagcacac acaaaaatta acattctaaa taaaaactgt cttatatgta tatacatata 360
gctttgcttt cactgttatt cagcagcata ctatacactn ttncacatca cagacatttc 420
tctattaata cataagcaca tatcttagac tatttcacag tgcttctgaa acaagtcgca 480
cagactctat tttaacttat ttttctgaaa tttaagagtg cactggcaca aagaataacc 540
ttgtgaaaac ccattagtca cagactacct gctgagagaa agcagggcaa acctcactca 600
ctgatcagag acagggattt tgcagcaaga attctgagtg gctgg 645

```

<210> 173
 <211> 516
 <212> DNA
 <213> Quail

<220>
 <221> misc_feature
 <222> (1)...(516)
 <223> n = A,T,C or G

```

<400> 173
ccttacttcn nnnnnnnnnn nnnnnnnnnn nnnnnccttt aaaaacttgc ntcgatgcaa 60
caaatatgca catatcatta caccagttcg tccctttcca gctttacaat ggattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaaag gtttgataag 180
ctctagctgt ggtgggttat ggtcttcaaa aggggtactgt gcaactgcaa tgagaaggaa 240
taacgttcta aataaaacac agtcttgcat acagatttgc atccacacag ctttgattct 300
gttggttatt agcagcatat tacacactat aaatgcatca catgtttctc tagtaatacg 360
taagcatctt gctgcatgaa gagacctcag aagcattgtg ggaatagtta gtgctaccaa 420
ctgcacctta caccatgatt ttactcaaat taagagtgtg ctggcacaaa aaataacgtg 480
ttttaaggtc acccatcaaa tgcagtgtct tttttt 516

```

<210> 174
 <211> 395
 <212> DNA
 <213> Trout

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

```

<400> 174
tctctgtgcc ttacttcnnn nnnnnnnnnn nnnnnnnnnn ngctttgagg aacttgcccc 60
ggtgtaacag gtaagcacag atcatgacac ccgtacgtcc ctttccagct ttacagtga 120
tcgccgccac atgattgtcg tcttcaacta accaaaggct aagatcttcg cagaacgggt 180
tgatcagctc cagctggggc ggattgtgat cctcaaacgg atattgtgca actggagana 240
gacagacaga gaccgggctc agttagttag cgtcacacgt gggtttttag tgaaagattg 300
attcattcac tgactgcctg aaagacagtg ataatggttt cactctgatg taatatctaa 360
cctctgcaat tgaatttggtg ttgcgtcata atgtc 395

```

<210> 175
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>

<223> PTENse sense

<400> 175

atcttgacca atggctaagt g

21

<210> 176

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Zoo44aRV

<400> 176

ttgtctctgg tccttacttc

20

<210> 177

<211> 160

<212> DNA

<213> Goat

<400> 177

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tctctgggtcc | ttacttcccc | atagaaatct | agggcctctt | gtgcctttta | aaatttgccc | 60 |
| cgatgtaaca | aatatgcaca | aatcattaca | ccagttcgtc | cctttccagc | tttacagtga | 120 |
| attgctgcaa | catgattgtc | atcttcactt | agccattggt | | | 160 |

<210> 178

<211> 150

<212> DNA

<213> Antelope

<220>

<221> misc_feature

<222> (1)...(150)

<223> n = A,T,C or G

<400> 178

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ctggtcctta | cttccccata | gaaatctagg | gcctnntgtg | cctttaaaaa | tttgccccga | 60 |
| tgtaacaaat | atgcacaaat | cattacacca | gttcgtccct | ttccagcttt | acagtgaatt | 120 |
| gctgcaacat | gattgtcatc | ttcacttagc | | | | 150 |

<210> 179

<211> 153

<212> DNA

<213> Kangaroo

<400> 179

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tctctgggtcc | ttacttcccc | atagaaatct | agagcctctt | gtgcctttta | aaactttcct | 60 |
| cgatgtaata | aatatgcaca | aatcattacg | ccagttcgtc | cctttcctgc | tttacagtga | 120 |
| attgctgcaa | catgattgtc | atcttcactt | agc | | | 153 |

<210> 180

<211> 154

<212> DNA

<213> Rabbit

<400> 180
gtctctggtc cttactttct cataaaaaatc taggggtttt tgtgccttta aaaatttgcc 60
ccgatgtaat aaatatgcac aaatcattac accagttcgt ccctttccag ctttacagtg 120
aattgctgca acatgattgt catcttcact tagc 154

<210> 181
<211> 155
<212> DNA
<213> Hare

<400> 181
ggtccttact tctccataaa aatctagggc ttcttgtgcc tttaaaaatt tgccccgatg 60
taataaatat gcacaaatca ttacaccagt tegtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttgggt 155

<210> 182
<211> 159
<212> DNA
<213> Goose

<400> 182
tctctgggtcc ttacttcccc atagaaatct agagcttctt gagcctttta aaacttgcct 60
cgatgcaaca aatatgcgca tatcattaca ccagttcgtc cctttccagc tttacagtgg 120
attgctgcaa catgattgtc atcttcactt agccattgg 159

<210> 183
<211> 156
<212> DNA
<213> Ostrich

<400> 183
ctctgggtcct tacttcccc tagaaatcta gggcttccctg agcccttaaa aacttgcctc 60
gatgtaacaa ataagcacat atcattacac cagttcgtcc ctttccagct ttacagtgga 120
ttgctgcaac gtgattgtca tcttcaacta gccatt 156

<210> 184
<211> 151
<212> DNA
<213> Pigeon

<400> 184
tctgggtcctt acttctccgt agaaatctag ggcttcttga gcctttaaaa acttgcctcg 60
atgcaacaaa tatgcacata tcattacacc agttcgtccc tttccagctt tacagtggat 120
tgctgcaacg tgattgtcgt cttcacttag c 151

<210> 185
<211> 163
<212> DNA
<213> Varan

<400> 185
tctctgggtcc ttacttcccc atagaaatct agagcttctt gtgccttttg aaatcttctc 60
cgatgtaata aatatgcaca aaatcattaca ccagttcgtc cctttccagc ttacaatgg 120
attgccgcaa cgtgattgac atcttcactt agccattgggt caa 163

<210> 186

<211> 160
 <212> DNA
 <213> Trout

<400> 186
 tctggtcctt acttcaccgt agaagtcacg agcttcctgt gctttgagga acttgccccg 60
 gtgtaacagg taagcacaga tcatgacacc cgtacgtccc tttccagctt tacagtgaat 120
 cgccgccacg tgattgtcgt cctcacttag ccattggtca 160

<210> 187
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex6F sense

<400> 187
 ggagtaacta ttcccagtc gag 23

<210> 188
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex6R antisense

<400> 188
 gcaagttccg ccaactgaa 18

<210> 189
 <211> 138
 <212> DNA
 <213> Man

<400> 189
 ggagtaacta ttcccagtc gaggcgctat gtgtattayt atagctacct gktaaagaat 60
 catctggatt atagaccagt ggcactgttg tttcacaaga tgatgtttga aactattcca 120
 atgttcagtg gcggaact 138

<210> 190
 <211> 131
 <212> DNA
 <213> Chimpanzee

<400> 190
 ctattcccag tcagaggcgc tatgtgtatt attatagcta cctgttaaag aatcatctgg 60
 attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120
 gtggcggaac t 131

<210> 191
 <211> 128
 <212> DNA
 <213> Cattle

<400> 191
 ttcccagtcaggagcgctatgtgtattattatagctacctgttaaagaatcatctggatt60
 atagaccagtggcactgttgtttcacaagatgatgtttgaactattccaatgttcagtg120
 gcggaact128

<210> 192
 <211> 128
 <212> DNA
 <213> Sheep

<400> 192
 ttcccagtcaggagcgctatgtgtattattatagctacctgttaaagaatcatctggatt60
 acagaccagtggcactgttgtttcacaagatgatgtttgaactattccc atgttcagtg120
 gcggaact128

<210> 193
 <211> 126
 <212> DNA
 <213> Goat

<400> 193
 tcccagtcaggagcgctatgtgtattatta tagctacctgttaaagaatc atctggatta60
 cagaccagtggcactgttgtttcacaagatgatgtttgaactattccaa tgttcagtg120
 cggaac126

<210> 194
 <211> 131
 <212> DNA
 <213> Red buffalo

<400> 194
 gtaactattccagtcagaggcgctatgtgtattattata gctacctgtt aaagaatcat60
 ctggattatagaccagtggc actgttgttt cacaagatgatgtttgaaac tattccaatg120
 ttcagtgggcg g131

<210> 195
 <211> 127
 <212> DNA
 <213> Deer

<400> 195
 ttcccagtcaggagcgctatgtgtattattatagctacctgttaaagaatcatctggatt60
 atagaccagtggcactgttgtttcacaagatgatgtttgaactattcca atgttcagtg120
 gcggaac127

<210> 196
 <211> 131
 <212> DNA
 <213> Roe deer

<400> 196
 ctattcccagtcagagggcgctatgtgtattattatagctacctgtttaaag aatcatcttg60
 attatagacc agtggcactgttgttttcaca agatgatgtt tgaaactatt ccaatgttca120
 gtggcggaac t131

<210> 197

<211> 126
 <212> DNA
 <213> Goitred gazelle

<400> 197
 cccagtcaga ggcgctatgt gtattattat agctacctgt taaagaatca tctggattat 60
 agaccagtgg cactgttggt tcacaagatg atgtttgaaa ctattccaat gttcagtggc 120
 ggaact 126

<210> 198
 <211> 132
 <212> DNA
 <213> Horse

<400> 198
 actattccca gtcagaggcg ctatgtgtat tattatagct acctgttaaa gaatcatctg 60
 gattatagac cagtggcact gttgtttcac aagatgatgt ttgaaactat tccaatgttc 120
 agtggcggaa ct 132

<210> 199
 <211> 125
 <212> DNA
 <213> Dog

<400> 199
 tcccagtcag aggcgctatg tgtattatta tagctacctg ttaaagaatc atctggatta 60
 tagaccagtg gcactgttgt ttcacaagat gatgtttgaa actattccaa tgttcagtgg 120
 cggaa 125

<210> 200
 <211> 129
 <212> DNA
 <213> Sun bear

<400> 200
 ctattcccag tcagagggcg tatgtgtatt attatagcta cctgttaaag aatcatctgg 60
 attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120
 gtggcggaa 129

<210> 201
 <211> 128
 <212> DNA
 <213> Rabbit

<400> 201
 ctattcccag tcagagacgc tatgtgtatt attatagcta cctgttaaag aatcatctgg 60
 attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120
 gtggcggga 128

<210> 202
 <211> 128
 <212> DNA
 <213> Hare

<400> 202
 tattcccagt cagagacgct atgtgtatta ttatagctac ctgttaaaga atcatctgga 60

ttatagacca gtggcactgt tgtttcaca gatgatgttt gaaactattc caatgttcag 120
 tggcgga 128

<210> 203
 <211> 127
 <212> DNA
 <213> Antelope

<400> 203
 attcccagtc agaggcgcta tgtgtattat tatagctacc tgttaaagaa tcatctggat 60
 tatagaccag tggcactgtt gtttcacaag atgatgtttg aaactattcc aatgttcagt 120
 ggcgga 127

<210> 204
 <211> 127
 <212> DNA
 <213> Kangaroo

<400> 204
 tcccagtcag aggcgctatg tgtattacta tagccacctg ttaaagcatc atttggatta 60
 cagaccagtg gccctgctgt ttcacaagat gatgtttgaa acaattccaa tgttcagtgg 120
 cggaact 127

<210> 205
 <211> 133
 <212> DNA
 <213> Python

<400> 205
 actattccca gtcagagacg ctatgtatat tattatagct acctgttaaa gaatcatctg 60
 gattacagac cagtagcact gctgtttcat aaaatgatgt ttgaaacaat tccaatgttc 120
 agtggcgga ctt 133

<210> 206
 <211> 132
 <212> DNA
 <213> Varan

<400> 206
 actattccca gtcagaggcg ctatgtatat tattacagct accttttaaa gaatcatctg 60
 gattacagac ccgtggcatt gctcttccat aaaatgatgt ttgaaacaat tccaatgttc 120
 agtggcgga ct 132

<210> 207
 <211> 132
 <212> DNA
 <213> Turkey

<400> 207
 actattccca gtcagagacg ctacgtgtac tactatagct acctgttaaa gaatcacctt 60
 gattacagac cagtggcact gctgtttcac aagatgatgt ttgaaacaat tcccatgttc 120
 agtggcgga ct 132

<210> 208
 <211> 124
 <212> DNA

<213> Chicken

<400> 208

tcccagtcag agacgctacg tgtactacta tagctacctg ttaaagaatc accttgatta 60
cagaccagtg gcactgctgt ttcacaagat gatgtttgaa acaattccca tggtcagtgg 120
cgga 124

<210> 209

<211> 127

<212> DNA

<213> Duck

<400> 209

tcccagtcag agacgctacg tgtactatta tagctacctg ttaaagaatc acctggatta 60
cagaccagtg gcactgctgt ttcacaagat gatgtttgaa acaattccca tggtcagtgg 120
cggaact 127

<210> 210

<211> 131

<212> DNA

<213> Quail

<400> 210

ctattcccag tcagagacgc tacgtgtact actatagcta cctgttaaag aatcaccttg 60
attacagacc agtggcactg ctgtttcaca agatgatgtt tgaaacaatt cccatgttca 120
gtggcggaac t 131

<210> 211

<211> 130

<212> DNA

<213> Goose

<400> 211

tattcccagt cagagacgct acgtgtacta ttatagctac ctgttaaaga atcacctgga 60
ttacagacca gtggcactgc tgtttcaca gatgatgtt gaaacaattc ccatgttcag 120
tggcggaact 130

<210> 212

<211> 128

<212> DNA

<213> Ostrich

<400> 212

attcccagtc agagacgcta cgtgtattac tatagctacc tgttaaagaa ccacctggat 60
tacagaccag tggcactgct gtttcacaag atgatgtttg aaacaattcc aatgttcagt 120
ggcggaac 128

<210> 213

<211> 126

<212> DNA

<213> Pigeon

<400> 213

cccagtcaga ggcgctacgt gtattactat agctatctgt taaagaacca cctggattac 60
agaccagtgg cactgctgtt tcacaagatg atgtttgaaa caattcccat gttcagtggc 120
ggaact 126

<210> 214
 <211> 130
 <212> DNA
 <213> Trout

<220>
 <221> misc_feature
 <222> (1)...(130)
 <223> n = A,T,C or G

<400> 214
 attcccagtc agagggcgcta tgtctattac tatagccacc ttctcaagaa ccagctgaat 60
 tacaaaccng tggctctgct cttccacaag atggtgttcg agacgggtgcc catgttcagt 120
 ggcggaactt 130

<210> 215
 <211> 122
 <212> DNA
 <213> Carp

<400> 215
 gtcagaggcg atatgtgtac tactatagct accttctgaa gaataagctg gagtacaaac 60
 ctgtggcctt gctctttcac aagatgggtg ttgagacagt gcccattgtc agtggcgga 120
 ct 122

<210> 216
 <211> 130
 <212> DNA
 <213> Salmon

<400> 216
 tattcccagt cagagggcgt atgtctacta ctacagccac cttctgaaga accagctgga 60
 gtacaaacca gtggctctgc tgttccacaa gatggtgttc gagacgggtgc ccatgttcag 120
 tggcggaact 130

<210> 217
 <211> 132
 <212> DNA
 <213> Wells

<400> 217
 actattccca gtcagaggcg atatgtgtac tactatagct accttctgaa gaataagctg 60
 gagtacaaac ctgtggcctt gctctttcac aagatgggtg ttgagacagt gcccattgtc 120
 agtggcgga ct 132

<210> 218
 <211> 129
 <212> DNA
 <213> Tench

<400> 218
 attcccagtc agagggcgata tgtgtactac tatagctacc ttctgaagaa taagctggag 60
 tacaaacctg tggccttgc ctttcacaag atggtgtttg agacagtgcc tatgttcagt 120
 ggcggaact 129

<210> 219

<211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex7F sense

<400> 219
 cctcagtttg tggctgcca 20

<210> 220
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex7R antisense

<400> 220
 ccttttttag catcttgttc tgttt 25

<210> 221
 <211> 168
 <212> DNA
 <213> Man

<220>
 <221> misc_feature
 <222> (1)...(168)
 <223> n = A,T,C or G

<400> 221
 atcctcagtt tgtggtctgc cagctaaagg tgaagatata ttcctccaat tcaggaccca 60
 cacgacggga agacaagttc atgtaytttg agttccctca gccgttacct gtntgtggtg 120
 atatcaaagt agagttcttc cacaacaga acaagatgct aaaaaagg 168

<210> 222
 <211> 159
 <212> DNA
 <213> Chimpanzee

<400> 222
 agtttggtgt ctgccagcta aaggtgaaga tatattcctc caattcagga cccacacgac 60
 gggaagacaa gttcatgtac tttgagttcc ctcagccgtt acctgtgtgt ggtgatatca 120
 aagtagagtt cttccacaaa cagaacaaga tgctaaaaa 159

<210> 223
 <211> 161
 <212> DNA
 <213> Cattle

<400> 223
 cagtttggtg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cggaagaca agttcatgta ctttgagttc ctcagccat tgcctgtgtg tggtagatc 120
 aaagtagagt tcttcacaaa acagaacaag atgctaaaaa a 161

<210> 224
 <211> 160
 <212> DNA
 <213> Sheep

<400> 224
 gtttgtggtc tgccagctaa aggtgaagat atatctctcc aattcaggac ccacacgacg 60
 ggaagacaag ttcatgtact ttgagttccc tcagccgctg cctgtgtgtg gtgacatcaa 120
 agtagagttc ttccacaaac agaacaagat gctaaaaaag 160

<210> 225
 <211> 161
 <212> DNA
 <213> Goat

<400> 225
 cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagatc 120
 aaagtagagt tcttcacaa acagaacaag atgctaaaaa a 161

<210> 226
 <211> 153
 <212> DNA
 <213> Red buffalo

<400> 226
 agtttgtgg ctgccagcta aaggtgaaga tatattcctc caattcagg acccacacga 60
 gggaagaca gttcatgtac tttgagttc ctcagccgtt gcctgtgtgt ggtgacatca 120
 aagtagagtt cttccacaaa cagaacaaga tgc 153

<210> 227
 <211> 159
 <212> DNA
 <213> Deer

<400> 227
 cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagatc 120
 aaagtagagt tcttcacaaa acagaacaag atgctaaaa 159

<210> 228
 <211> 162
 <212> DNA
 <213> Roe deer

<400> 228
 cagtttgtgg tgtgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagatc 120
 aaagtagagt tcttcacaaa acagaacaag atgctaaaaa ag 162

<210> 229
 <211> 161
 <212> DNA
 <213> Goitred gazelle

<400> 229

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cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
cggggaagata agttcatgta ctttgagttc cctcagccgt tgctgtgtg ttggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaaa a 161

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<210> 230
<211> 162
<212> DNA
<213> Horse

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```

<400> 230
tcagtttgtg gtctgccagc taaaggtgaa gatatttcc tccaattcag gacccacacg 60
acgggaagac aagttcatgt actttgagtt ccctcagccg ttgcctgtgt gtggtgacat 120
caaagtagag ttcttccaca aacagaacaa gatgctaaaa aa 162

```

```

<210> 231
<211> 162
<212> DNA
<213> Dog

```

```

<400> 231
tcagtttgtg gtctgccagc taaaggtgaa gatctattcc tccaattcag gacccacacg 60
acgggaagac aagttcatgt actttgagtt ccctcagcca ttgcctgtgt gcggtgacat 120
caaagtagag ttcttccaca aacagaacaa gatgctaaaa aa 162

```

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<210> 232
<211> 161
<212> DNA
<213> Sun bear

```

```

<400> 232
cagtttgtgg tctgccagct aaaggtgaag atctattcct ccaattcagg acccacacga 60
cggggaagaca agttcatgta cttcgagttc cctcagccgt tacctgtgtg ttggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaaa a 161

```

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<210> 233
<211> 162
<212> DNA
<213> Rabbit

```

```

<400> 233
cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
cggggaagaca agttcatgta cttcgagttc cctcagccgt tgctgtgtg ttggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaaa ag 162

```

```

<210> 234
<211> 156
<212> DNA
<213> Hare

```

```

<400> 234
ctcagtttgt ggtctgccag ctaaaggtga agatatattc ctccaattca ggacccacac 60
gacgggaaga caagttcatg tacttcgagt tccctcagcc gttgcctgtg tgtggtgaca 120
tcaaagtaga gttcttccac aaacagaaca agatgc 156

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```

<210> 235
<211> 160

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<212> DNA
 <213> Antelope

<220>
 <221> misc_feature
 <222> (1)...(160)
 <223> n = A,T,C or G

<400> 235
 tcagtttgtg gtctgccagc taaaggtgaa gatatatcc tccaannnag gacccacacg 60
 acgggaagac aagttcatgt actttgagtt cctcagccg ttgcctgtgt gtggtgatat 120
 caaagtagag ttcttcacaa aacagaacaa gatgctaaaa 160

<210> 236
 <211> 163
 <212> DNA
 <213> Kangaroo

<400> 236
 ctcagtttgt ggtctgccag ctgaaggtga agatctacac atccccgtca gggcccacgc 60
 ggcgggaaga caagcacatg tacttcgagt tccccagcc tctgccggtg tgtggcgaca 120
 ttaaagtgga attcttcac aaacagaaca agatgctaaa aaa 163

<210> 237
 <211> 145
 <212> DNA
 <213> Turkey

<220>
 <221> misc_feature
 <222> (1)...(145)
 <223> n = A,T,C or G

<400> 237
 cagtttgtgg tctgccagct aaaagtaaag atattcacct ccccttnnng accctcaaga 60
 cgtgaagaca aatatatgta cttingaattc cctcaacctt tgccggnata cggtgatatc 120
 aaagnggagt tcttcacaaa acagaa 145

<210> 238
 <211> 146
 <212> DNA
 <213> Chicken

<400> 238
 cagtttgtgg tctgccagct aaaggtaaag atattcacct ccccttcagg accctcaaga 60
 cgtgaagaca agtatatgta ctttgaattc cctcaacctt tgccggtatg cggtgatatc 120
 aaagtggagt tcttcacaaa acagaa 146

<210> 239
 <211> 154
 <212> DNA
 <213> Duck

<400> 239
 cagtttgtgg tctgccagct aaaggtaaag atattcacct ccccttcagg accctcaaga 60
 cgtgaagaca agtatatgta ctttgaattc cctcaacctt tgccggtatg cggtgatatc 120

aaagtgggtgt ttttccacaa acagaacaag atgc

154

<210> 240
<211> 163
<212> DNA
<213> Quail

<400> 240
tcagtttgtg gtctgccagc taaaggtaaa gatattcacc tccccttcag gacctcaag 60
acgtgaagac aagtatatgt actttgaatt ccctcaacct ttgccggtat gcggtgatat 120
caaagtggag ttcttccaca aacagaacaa gatgctaaaa aag 163

<210> 241
<211> 160
<212> DNA
<213> Ostrich

<400> 241
gtttgtgggc tgccagctaa aggtaaagat attcacctcc ccttcaggac cctcaagacg 60
tgaagacaag tatatgtact ttgaattccc tcaacccttg ccggtatgcg gtgatatcaa 120
agtgggaattc ttccacaaac agaacaagat gctaaaaaag 160

<210> 242
<211> 145
<212> DNA
<213> Pigeon

<400> 242
tcagtttgtg gtctgccagc taaaggtaaa gatattcacc tccccttcag gacctcaag 60
acgtgaagac aagtatatgt actttgaatt ccctcaacct ttgccggtat gcggtgatat 120
caaagtggaa ttttccaca aacag 145

<210> 243
<211> 163
<212> DNA
<213> Carp

<220>
<221> misc_feature
<222> (1)...(163)
<223> n = A,T,C or G

<400> 243
tcagtttgtg gtctgccaac tgaagggtgaa aatccacacc tcaaaccagc ygcacacaag 60
gcgagaggag aagtacatgt acttngattt tccncagcnn ctgcctgtgt gnggagacat 120
caaggtggag ttcttccaca aacagaacaa gatgctaaaa aag 163

<210> 244
<211> 160
<212> DNA
<213> Wells

<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A,T,C or G

<400> 244
 agttttgtggt ctgccaaactg aaggtgaaaa tccacacatc aaacccagng cacacaaggc 60
 gagaggagaa gtacatgtac ttngattttc cncagcnnct gcctgtgtgn ggagacatca 120
 aggtggagtt cttccacaaa cagaacaaga tgctaaaaaa 160

<210> 245
 <211> 159
 <212> DNA
 <213> Tench

<400> 245
 agttttgtggt ctgccagctg aaggtgaaaa tccacacctc caacccagcg cacacaaggc 60
 gagaggagaa atacatgtac ttcgagtffc cacagccatt gcctgtgtgt ggagacatca 120
 aggtggagtt cttccacaaa cagaacaaga tgctaaaaaa 159

<210> 246
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex8F sense

<400> 246
 caaaatgttt cacttttggg taaa 24

<210> 247
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex8R antisense

<400> 247
 taaaatttgg agaaaagtat cggtt 25

<210> 248
 <211> 226
 <212> DNA
 <213> Man

<400> 248
 gacaaaaatg tttcactttt gggtaaatac attcttcata ccaggaccag aggaaacctc 60
 agaaaaagta gaaaatggaa gtctatgtga tcaagaaaty gatagcattt gcagtataga 120
 gcgtgcagat aatgacaagg artatctagt acttacttta acaaaaaatg atcttgacaa 180
 agcaataaaa gacaaagcca accgatactt ttctccaaat tttaag 226

<210> 249
 <211> 213
 <212> DNA
 <213> Chimpanzee

<400> 249
 atgtttcact tttgggtaaa tacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaatg gaagtctatg tgatcaagaa atcgaataga tttgcagtat agagcgtgca 120


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gataatgaca aggaatatct agtacttact ttaacaaaaa atgatcttga caaagcaaat 180
aaagacaaag ccaaccgata cttttctcca aat 213

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<210> 250
<211> 212
<212> DNA
<213> Cattle

```

```

<400> 250
tgtttcactt ttgggtaaac acattcttca taccaggacc agaggaaacc tcagaaaaag 60
tagaaaaatgg aagtctatgt gatcaagaaa ttgatagtat ttgcagtata gagcgtgcag 120
ataatgacaa ggaatatcta gtactcactt taacaaaaaa tgatctcgac aaagcaaata 180
aagacaaggc caaccgatac ttttctccaa at 212

```

```

<210> 251
<211> 211
<212> DNA
<213> Sheep

```

```

<400> 251
gttttcacttt tgggtaaaca cattcttcat accaggacca gaggaaacct cagaaaaagt 60
agaaaaatgga agtctatgtg atcaagaaat tgatagtatt tgcagtatag agcgtgcaga 120
taatgacaag gaatatctag tgctcacttt aacaaaaaat gatctcgaca aagcaaataa 180
agacaaggcc aaccgatact tttctccaaa t 211

```

```

<210> 252
<211> 213
<212> DNA
<213> Goat

```

```

<400> 252
atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
gataatgaca aggaatatct agtactcact ttaacaaaaa atgatcttga caaagcaaat 180
aaagacaagg ccaaccgata cttttctcca aat 213

```

```

<210> 253
<211> 212
<212> DNA
<213> Red buffalo

```

```

<400> 253
atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
gataatgaca aggaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaat 180
aaagacaagg ccaaccgata cttttctcca aa 212

```

```

<210> 254
<211> 213
<212> DNA
<213> Deer

```

```

<400> 254
tgtttcactt ttgggtaaac acattcttca taccaggacc agaggaaacc tcagaaaaag 60
tagaaaaatgg aagtctatgt gatcaagaaa ttgatagtat ttgcagtata gagcgtgcag 120
ataatgacaa agaatatcta gtactcactt taacaaaaaa tgatctcgac aaagcaaata 180

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aagacaaggc caaccgatac ttttctccaa att

213

<210> 255

<211> 214

<212> DNA

<213> Roe deer

<400> 255

atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aagaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaatt 180
 aaagacaagg ccaaccgata cttttctcca aatt 214

<210> 256

<211> 213

<212> DNA

<213> Goitred gazelle

<400> 256

atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaatt 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 257

<211> 213

<212> DNA

<213> Horse

<400> 257

atgtttcact tttgggtaaa tacattcttt ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aagaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaatt 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 258

<211> 210

<212> DNA

<213> Dog

<400> 258

tttcactttt gggtaaacac attcttcata ccaggaccag aggaaacctc agaaaaagta 60
 gaaaatggaa gtctatgtga tcaagaaatt gatagtattt gcagtataga acgtgcagat 120
 aatgacaagg aatatctagt actcacttta acaaaaaatg atctcgacaa agcaaataaa 180
 gacaaggcca accgatactt ttctccaaat 210

<210> 259

<211> 213

<212> DNA

<213> Sun bear

<400> 259

atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaatt 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 260
 <211> 210
 <212> DNA
 <213> Rabbit

<400> 260
 tttcactttt gggtaaatac gttctttata ccaggaccag aggaaacctc agaaaaagta 60
 gaaaatggaa gtctttgtga tcaagaaatt gatagtattt gcagtataga acgtgcagat 120
 aacgacaaag aatatctagt acttacttta acaaaaaatg atcttgataa agcaaataaa 180
 gacaaggcaa accgatactt ttctccaaat 210

<210> 261
 <211> 210
 <212> DNA
 <213> Hare

<400> 261
 gtttcacttt tgggtaaata cgttctttat accaggacca gaggaaacct cagaaaaagt 60
 agaaaatgga agtctttgtg atcaagaaat tgatagtatt tgcagtatag aacgtgcaga 120
 taacgacaaa gaatatctag tacttacttt aacaaaaaat gatcttgata aagcaaataa 180
 agacaaggca aaccgatact ttctccaaat 210

<210> 262
 <211> 203
 <212> DNA
 <213> Antelope

<400> 262
 acttttgggt aaatacatc ttcataccag gaccagagga aacctcagaa aaagtagaaa 60
 atggaagtct atgtgatcaa gaaattgata gtatttgcag tatagagcgt gcagataatg 120
 acaaggaata tctagtactc actttaacaa aaaatgatct tgacaaagca aataaagaca 180
 aggccaaccg atacttttct cca 203

<210> 263
 <211> 213
 <212> DNA
 <213> Kangaroo

<400> 263
 tttcactttt gggtaaatac attcttcata ccaggaccag aggaaaattc agacaaagta 60
 gaaaatggaa gtctttgtgg tgatcaagag attgatagta tttgcagtgc cgagcgatca 120
 gataatgaca aggaatatct cactactcaca ttatccaaaa atgatcttga caaagcgaat 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 264
 <211> 210
 <212> DNA
 <213> Python

<400> 264
 tttcactttt gggtaaatac attcttcata ccaggaccag aggaaacctc agaaaaagta 60
 gaaaatggaa gtctatgtga tcaagaaatc gatagcattt gcagtataga gcgtgcagat 120
 aatgacaagg aatatctagt acttacttta acaaaaaatg atcttgacaa agcaaataaa 180
 gacaaagcca accgatactt ttctccaaat 210

<210> 265

<211> 208
 <212> DNA
 <213> Turkey

<400> 265
 tcacttttgg gtaaatatcat tcttcatagg actggatgaa aattcagaca aagtagaaaa 60
 tggaagtcta gttgcagatc aggaacttga tggatattttc agtacagagc gctcagataa 120
 tgacaaggaa tattttaatcc ttacattaac aaaaaatgat ctagacaaag caaataaaga 180
 caaagccaac cgatactttt ctccaaat 208

<210> 266
 <211> 213
 <212> DNA
 <213> Chicken

<400> 266
 tttcactttt gggtaaatac attcttcata ggactggatg aaaattcaga caaagtagaa 60
 aatggaagtc tagttgcaga tcaggaactt gatggtattt tcagtacaga gcgctcagat 120
 aatgacaagg aatatttaac cttacatta acaaaaaatg atctagacaa agcaaataaa 180
 gacaaagcca accgatactt tttccaaat tta 213

<210> 267
 <211> 210
 <212> DNA
 <213> Quail

<400> 267
 ttcacttttg ggtaaatata ttcttcatag gactggatga aaattcagac aaagtagaaa 60
 atggaagtct agttgcagat caggaacttg atggtatttt cagtacagag cgctcagata 120
 atgacaagga atattttaac cttacattaa caaaaaacga tctagacaaa gcaaataaag 180
 acaaagccaa ccgatacttt tctccaaatt 210

<210> 268
 <211> 213
 <212> DNA
 <213> Goose

<400> 268
 atgtttcact tttgggtaaa tacattcttc ataggactgg atgaaaattc agacaaagta 60
 gaaaatggaa gtctagttgc agatcaggaa cttgatggta ttttcagtac agagcgctca 120
 gataatgata aggaatatatt aatccttaca ttaacaaaaa atgatctaga caaagcaaat 180
 aaagacaaag ccaaccgata cttttctcca aat 213

<210> 269
 <211> 235
 <212> DNA
 <213> Trout

<220>
 <221> misc_feature
 <222> (1)...(235)
 <223> n = A,T,C or G

<400> 269
 gtttcacttt tgggtaaatn nnttctttgt ccttggacca gaggagaact ttgagaaggt 60
 tgagaacggg acgttaccaa cggagacggt accaacggcg acgttaccaa aggagcaggc 120

aggaaccaa acgggaggaa cgggggacaa cgacaaggat tacctgatcc tctcactgac 180
 aaagaacgac ctggacaagg ccaacaagga taaabcaaac cgatactttt ctcca 235

<210> 270
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex9F sense

<400> 270
 gtgaagctgt acttcacaaa aac 23

<210> 271
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex9tga antisense

<400> 271
 aaaaaaattc agacttttgt aatttg 26

<210> 272
 <211> 194
 <212> DNA
 <213> Man

<400> 272
 gtgaagctgt acttcacaaa aacagtagag gagccgtcaa atccagaggc tagcagttca 60
 acttctgtaa caccagatgt tagtgacaat gaacctgac attatagata ttctgacacc 120
 actgactctg atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa 180
 gtctgaattt tttt 194

<210> 273
 <211> 180
 <212> DNA
 <213> Chimpanzee

<400> 273
 gtacttcaca aaaacagtag aggagccgtc aaatccagag gctagcagtt caacttctgt 60
 aacaccagat gttagtgaac atgaacctga tcattataga tattctgaca cactgactc 120
 tgatccagag aatgaacctt ttgatgaaga tcagcataca caaattacaa aagtctgaat 180

<210> 274
 <211> 176
 <212> DNA
 <213> Cattle

<400> 274
 cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cttctgtaac 60
 accagatggt agtgacaatg aacctgatca ttatagatat tctgacacca ctgactctga 120
 tccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tctgaa 176

<210> 275
 <211> 172
 <212> DNA
 <213> Sheep

<400> 275
 cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cgtctgtaac 60
 accagatgtc agtgacaatg aacctgatca ttacagatat tctgacacca ctgactctga 120
 cccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tc 172

<210> 276
 <211> 178
 <212> DNA
 <213> Goat

<400> 276
 tacttcacaa aaacagtaga ggagtcatca aatccagagg ctagcagttc aacgtctgta 60
 acaccagatg tcagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120
 gaccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaa 178

<210> 277
 <211> 179
 <212> DNA
 <213> Red buffalo

<400> 277
 tacttcacaa aaacagtaga ggagccatca aatccagagg ctagcagttc cacttctgtg 60
 acaccgatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179

<210> 278
 <211> 179
 <212> DNA
 <213> Deer

<400> 278
 tacttcacaa aaacagtaga ggagtcatca aatccagagg ctagcagttc aacttctgta 60
 acaccgatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179

<210> 279
 <211> 173
 <212> DNA
 <213> Roe deer

<400> 279
 acttcacaaa aacagtagag gagtcatcaa atccagaggc tagcagttca acttctgtaa 60
 caccagatgt tagtgacaat gaacctgatc attatagata ttctgacacc actgactctg 120
 atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa gtc 173

<210> 280
 <211> 177
 <212> DNA
 <213> Goitred gazelle

<400> 280

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cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cgtctgtaac 60
accagatgtc agtgacaatg aacctgatca ttacagatat tctgacacca ctgactctga 120
cccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tctgaat 177

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```

<210> 281
<211> 180
<212> DNA
<213> Horse

```

```

<400> 281
gtacttcaca aaaacagtag aggagccatc aaatccagag gctagcagtt caacttctgt 60
aacaccagat gttagtgcaca atgaacctga tcattataga tattctgaca ccactgactc 120
tgatccagag aatgaacctt ttgatgaaga tcagcataca caaattacaa aagtctgaat 180

```

```

<210> 282
<211> 180
<212> DNA
<213> Dog

```

```

<400> 282
gtacttcaca aaaactgtag aggagccatc aaacccggag gctagcagtt caacttctgt 60
gacgccagat gttagtgcaca atgaacctga tcattataga tattctgaca ccactgactc 120
tgacccagag aatgaacctt ttgatgaaga tcagcacaca caaattacaa aagtctgaat 180

```

```

<210> 283
<211> 177
<212> DNA
<213> Sun bear

```

```

<400> 283
cttcacaaaa acagtagagg agccatcaaa tcccaggagg agcagttcaa cttctgtaac 60
accagacggt agtgacaatg aacctgacca ttatcgatat tctgacacca ctgactctga 120
tccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tctgaat 177

```

```

<210> 284
<211> 177
<212> DNA
<213> Rabbit

```

```

<400> 284
tacttcacaa aaacagtaga ggagccatca aatccagagg ctagcagttc aacttctgta 60
acgccagatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120
gatccagaga atgaaccttt tgatgaagat cagcatcac aaattacaaa agtctga 177

```

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<210> 285
<211> 179
<212> DNA
<213> Hare

```

```

<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

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<400> 285

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 acgccagatg ttagtgacaa tgancctgat cattatagat attctgacac cactgactct 120
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179

<210> 286

<211> 175

<212> DNA

<213> Antelope

<400> 286

acttcacaaa aacagtagag gagccatcaa atccagaggc tagcagttca acttctgtaa 60
 caccagatgt tagtgacaat gaacctgatc attatagata ytctgacacc actgactctg 120
 atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa gtctg 175

<210> 287

<211> 174

<212> DNA

<213> Varan

<400> 287

ttcacaaaaa ccgtagaaga accatcaaac ccagaggcta gcagctcaac ttcagtaacg 60
 ccagatgtta gtgataatga acctgatcat tataggtatt ctgataccac tgactctgat 120
 ccagagaatg aaccttttga tgaagatcag catacacaaa ttacaaaagt ctga 174

<210> 288

<211> 175

<212> DNA

<213> Turkey

<400> 288

ttcacaaaaa cagtagagga gccatcaaat ccagaggcta gcagttcaac ttctgtaaca 60
 ccagatgtta gtgacaatga acctgatcat tatagatatt ctgacaccac tgactctgat 120
 ccagagaatg aaccttttga tgaagatcag catacacaaa ttacaaaagt ctgaa 175

<210> 289

<211> 182

<212> DNA

<213> Chicken

<400> 289

ctgtacttca caaaaacagt agaagagcca tcaaattccc aggctagcag ttcaacttct 60
 gtaacaccag atgttagtga caatgaacct gatcattaca gatactctga caccactgac 120
 tctgatccag agaatgaacc ttttgatgaa gatcagcata cacaattac aaaagtctga 180
 at 182

<210> 290

<211> 177

<212> DNA

<213> Duck

<400> 290

cttcacaaaa acagtagaag agccatctaa tccagaggct agcagttcaa cttctgtaac 60
 gccagatgtt agtgacaatg aacctgatca ttatagatac tctgacacca ctgactctga 120
 tccagagaat gaaccttttg atgaagatca gcatacgcaa attacaaaag tctgaat 177